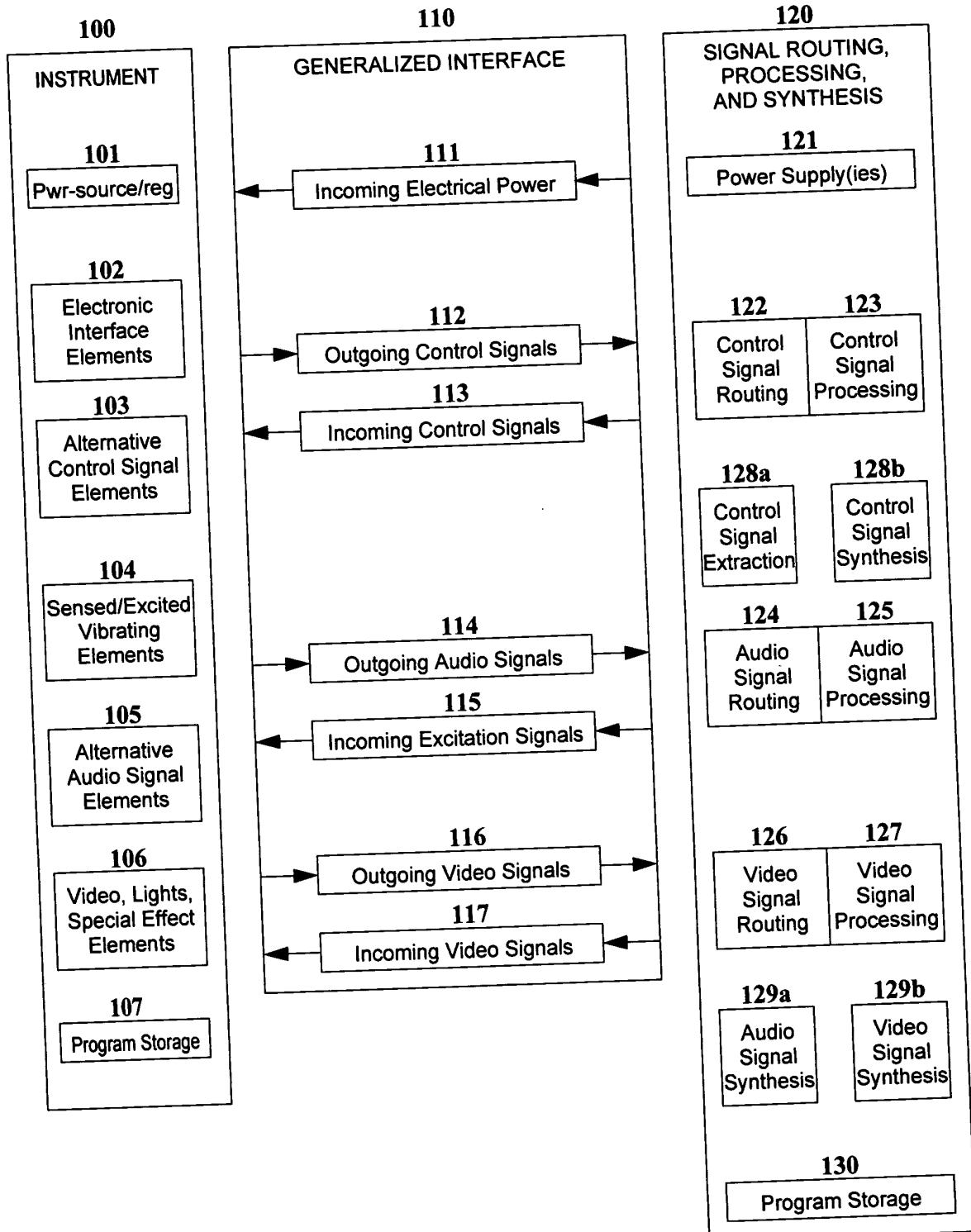


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

1 / 72

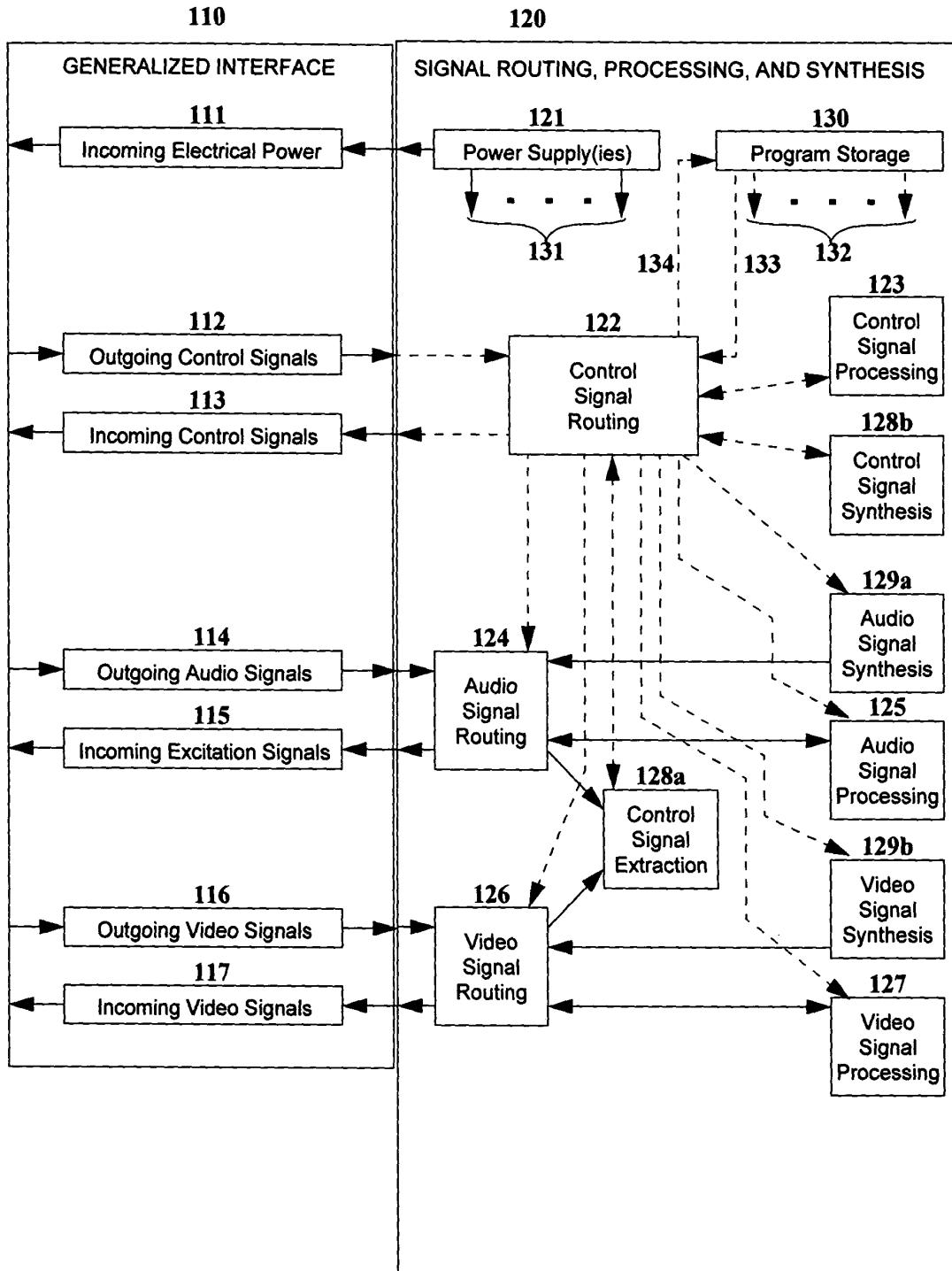
Figure 1



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

2 / 72

Figure 2



**EXTENSIONS AND GENERALIZATIONS OF THE**

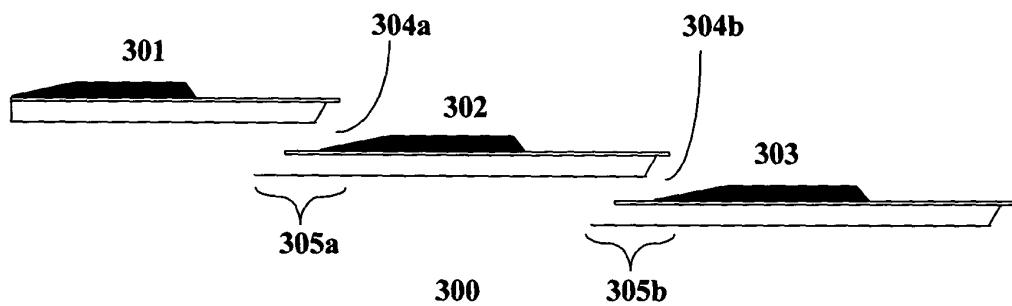
**PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig

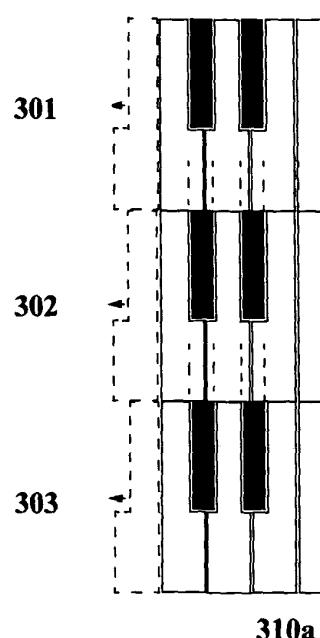
Docket No.: 2738-21

**3 / 72**

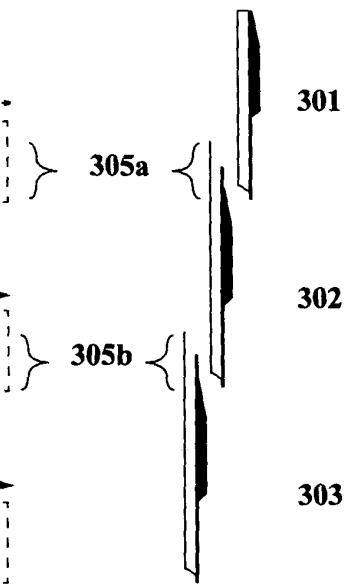
**Figure 3A**



**Figure 3B**



**Figure 3C**

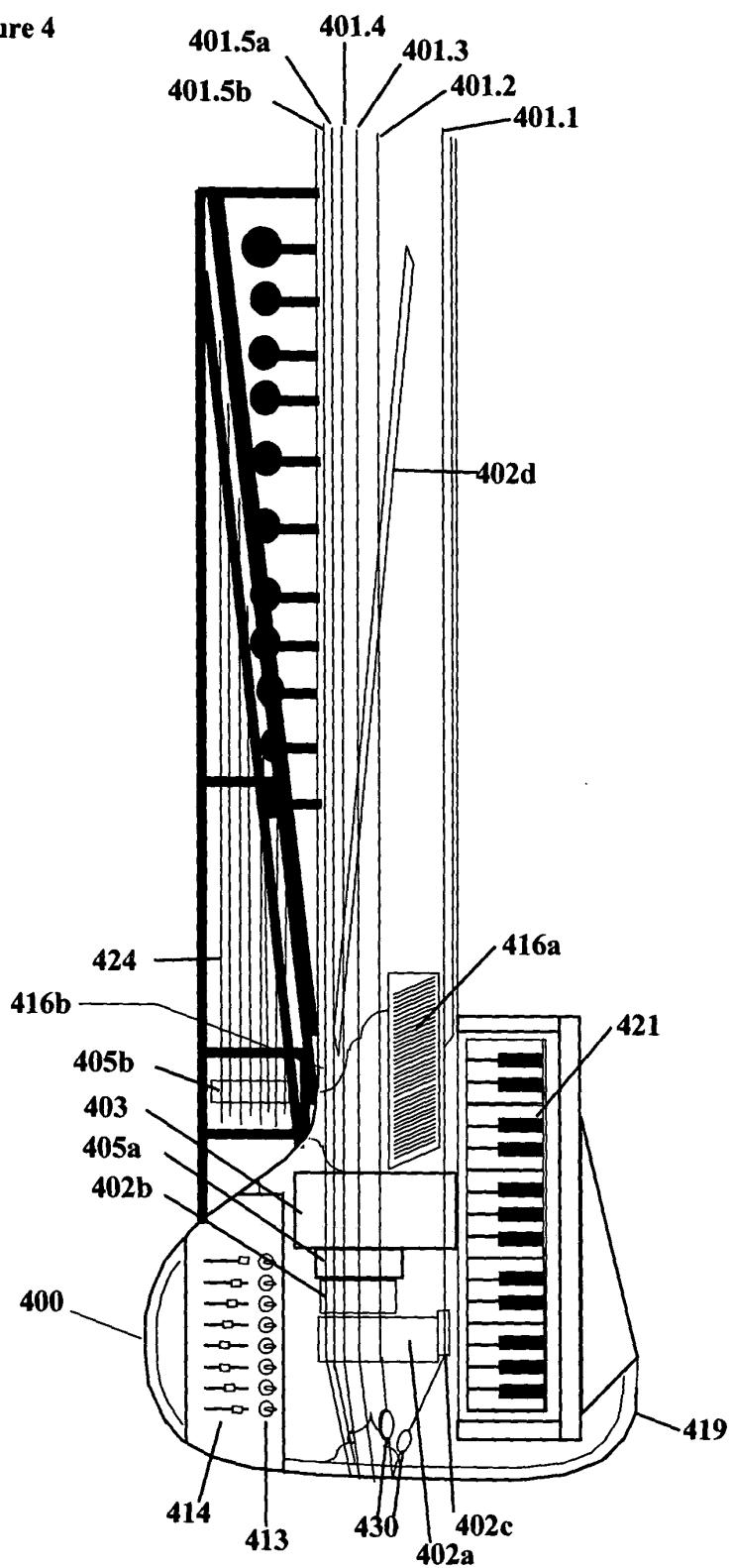


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

4 / 72

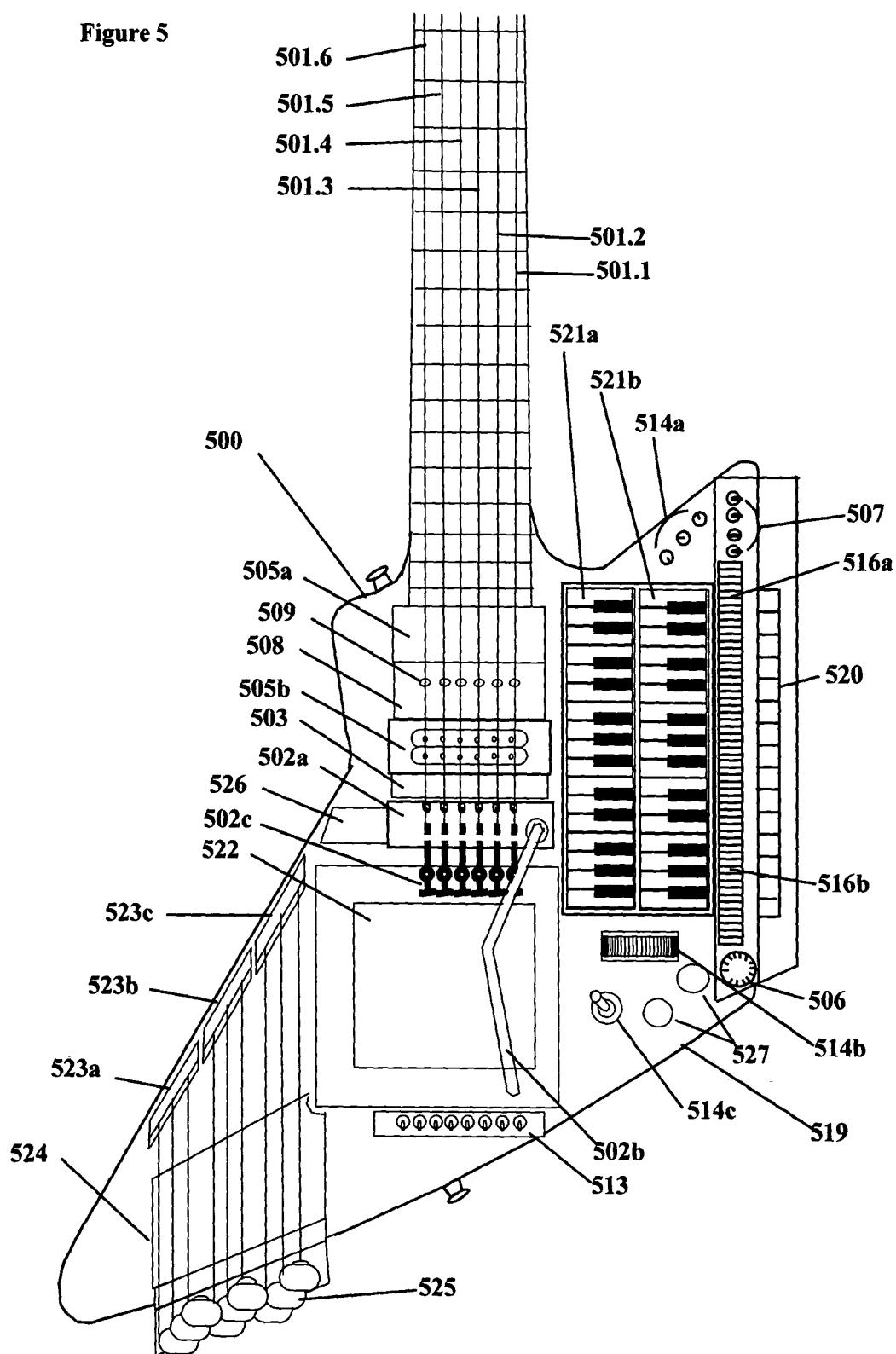
Figure 4



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

5 / 72

Figure 5



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

6 / 72

Figure 6A

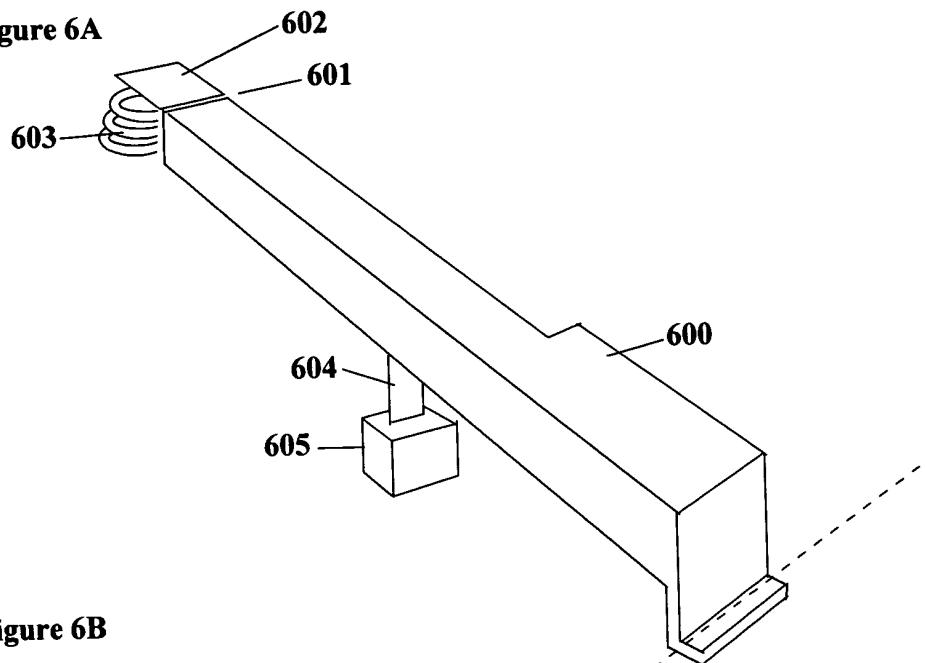
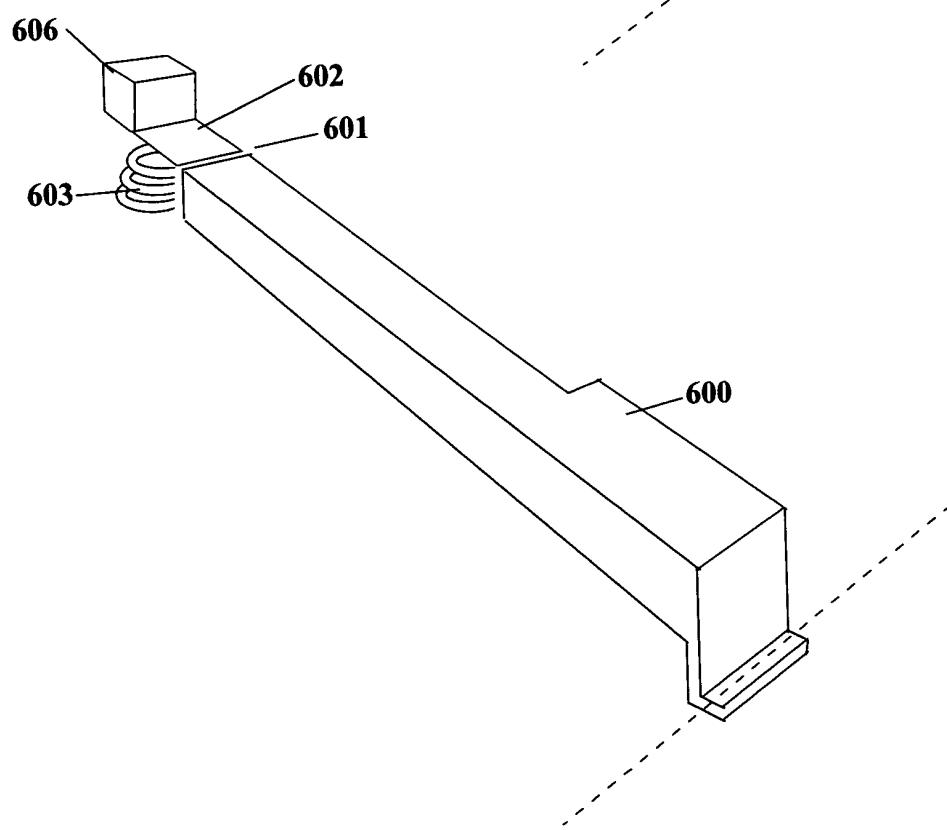


Figure 6B



EXTENSIONS AND GENERALIZATIONS OF THE

PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

7 / 72

Figure 7A

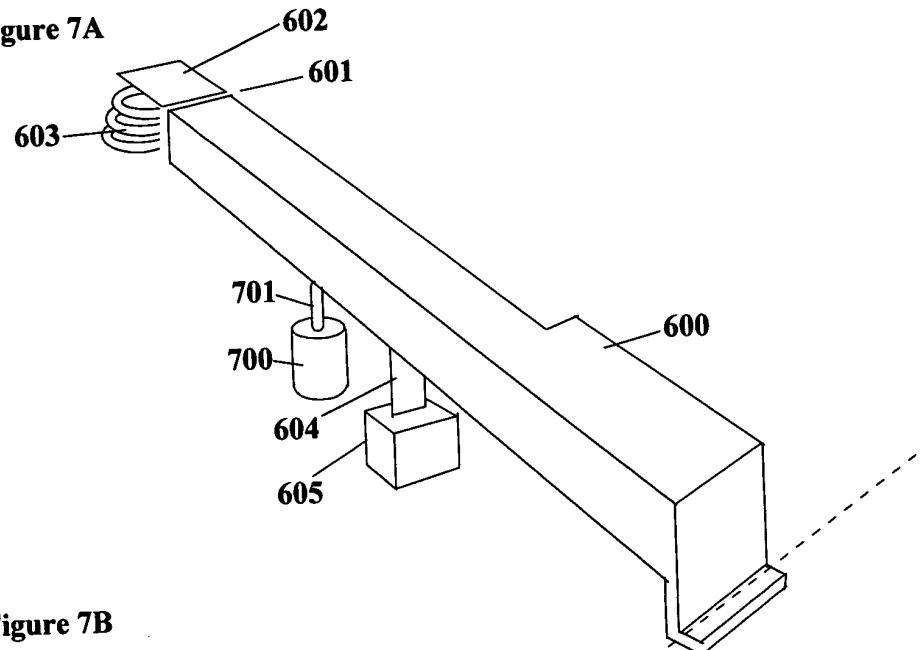
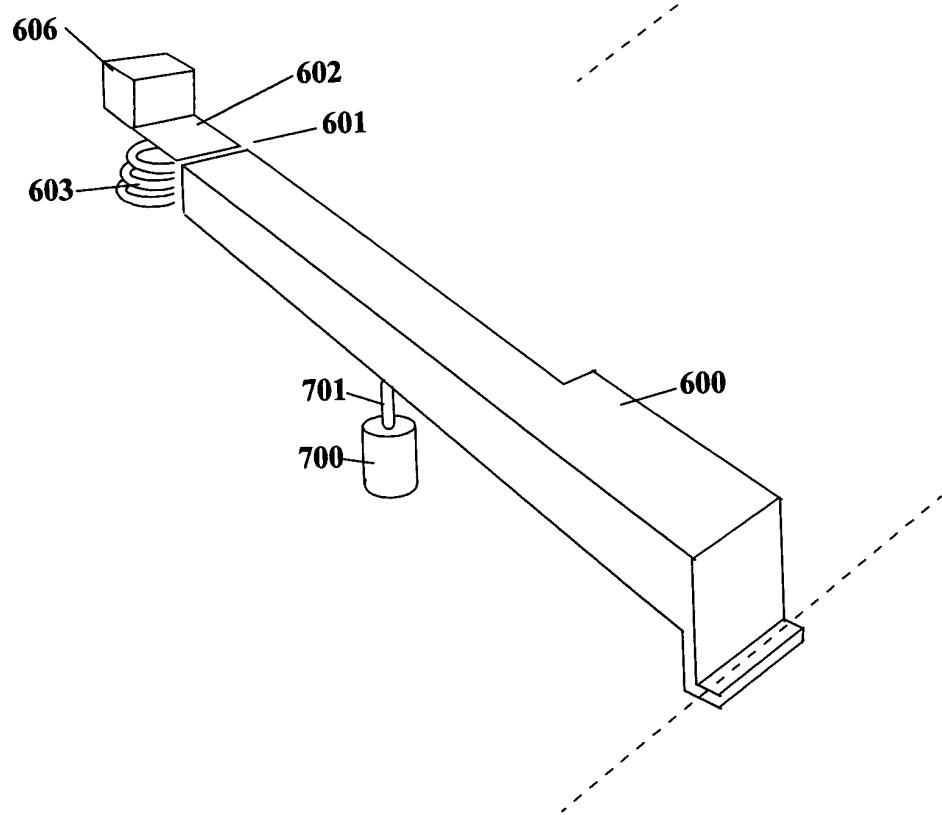


Figure 7B

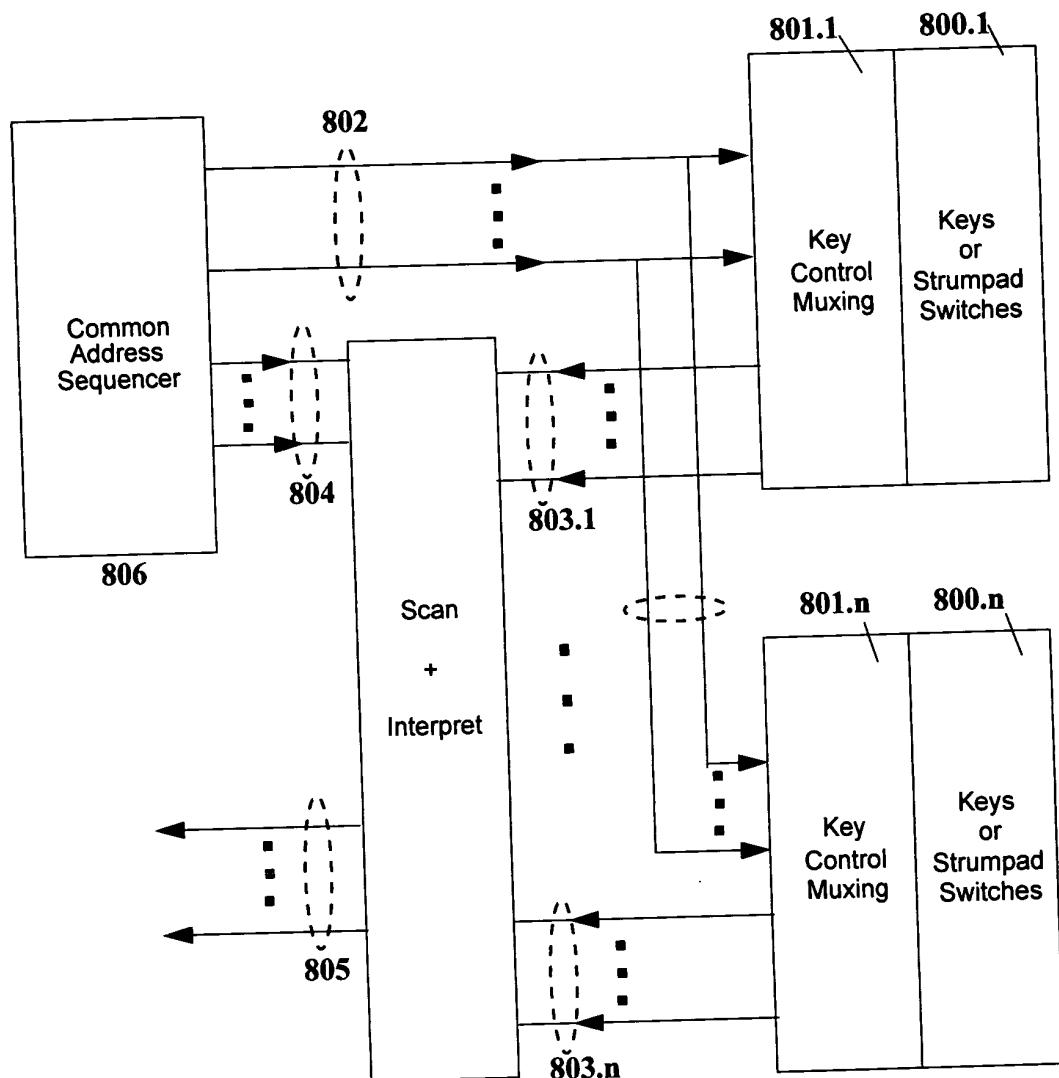


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

8 / 72

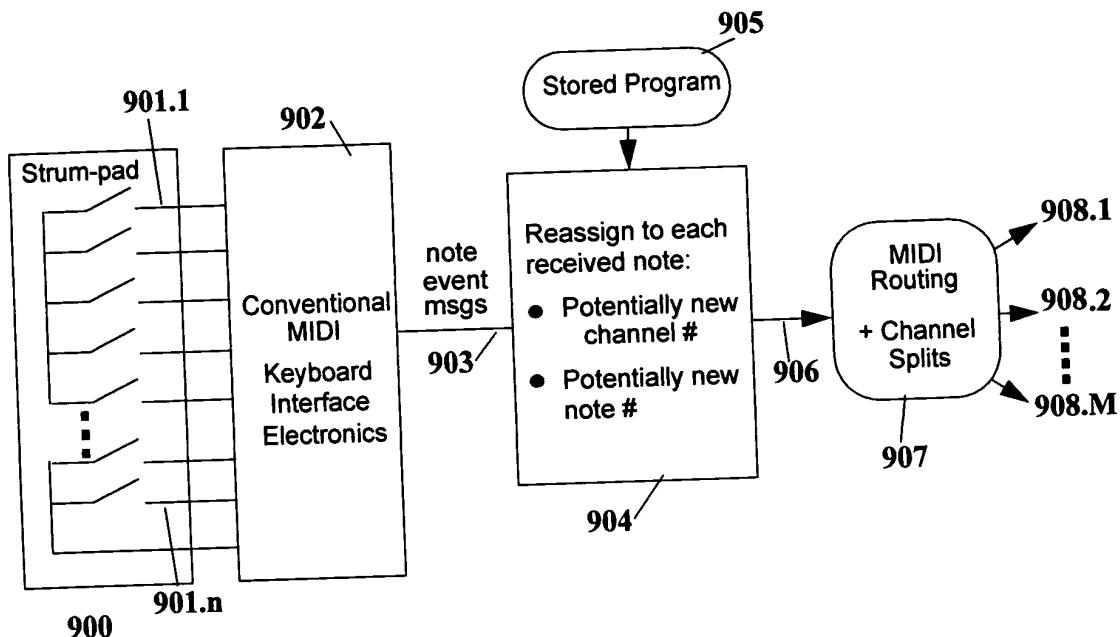
Figure 8



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

9 / 72

Figure 9

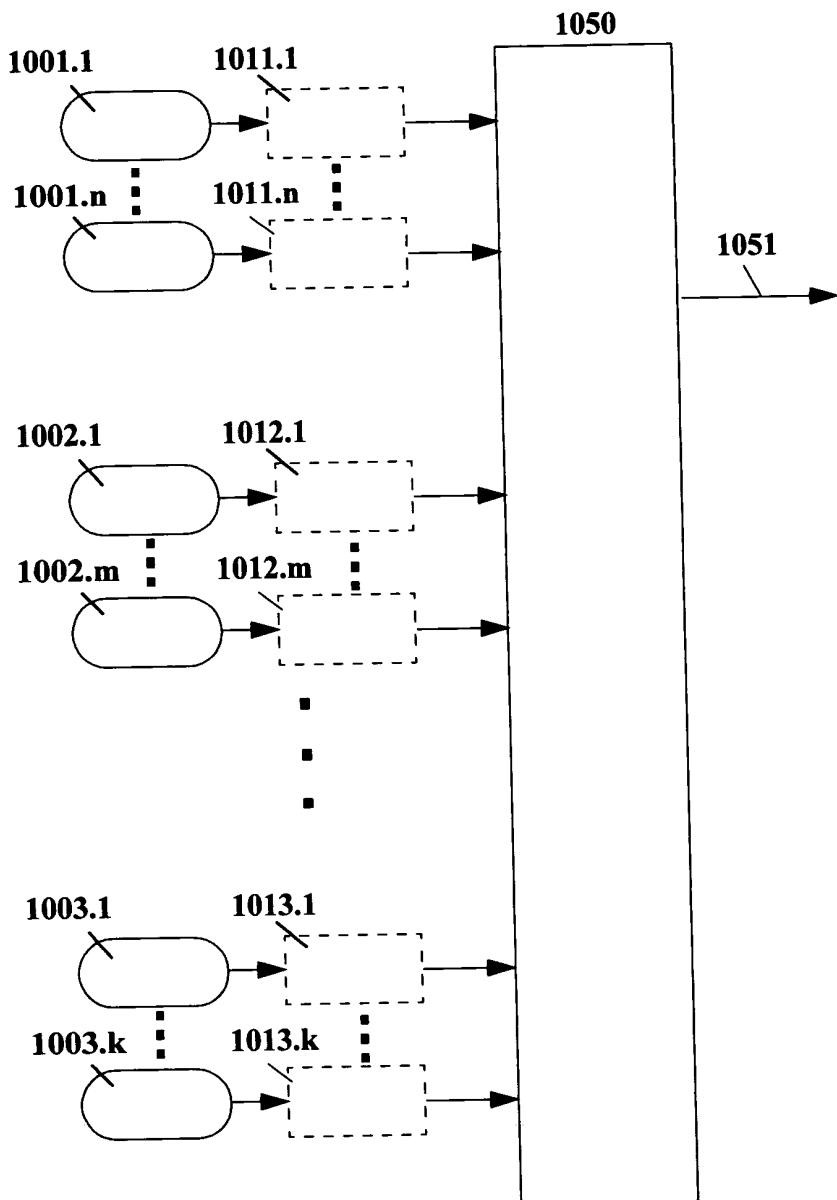


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

10 / 72

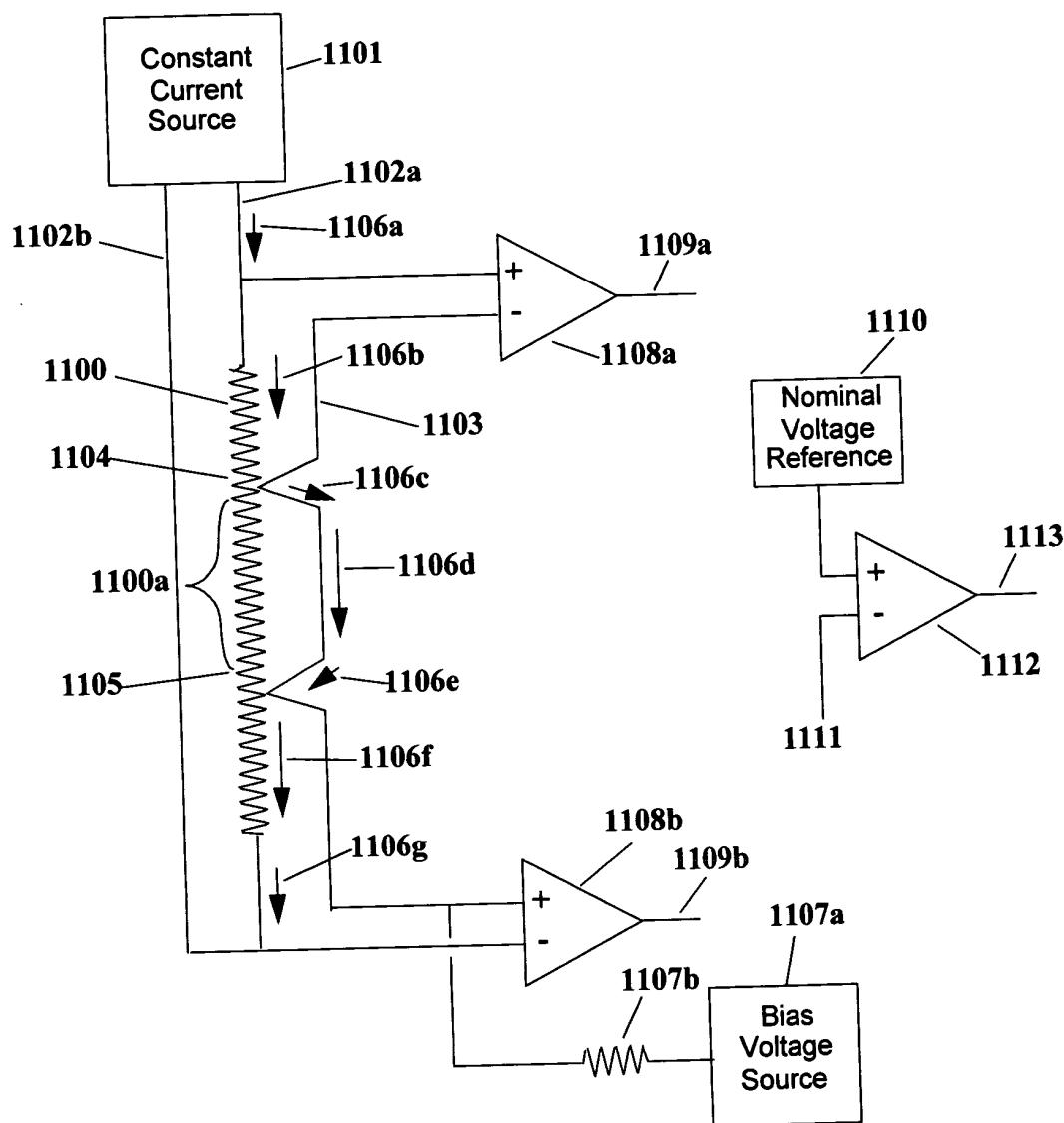
Figure 10



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 11

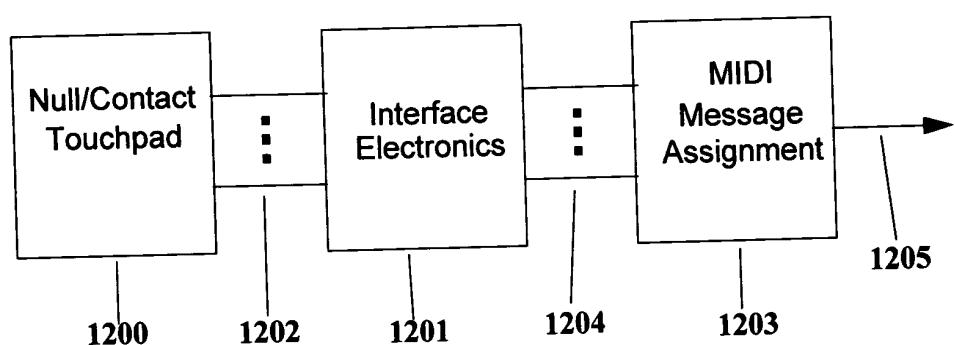
11 / 72



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

12 / 72

Figure 12

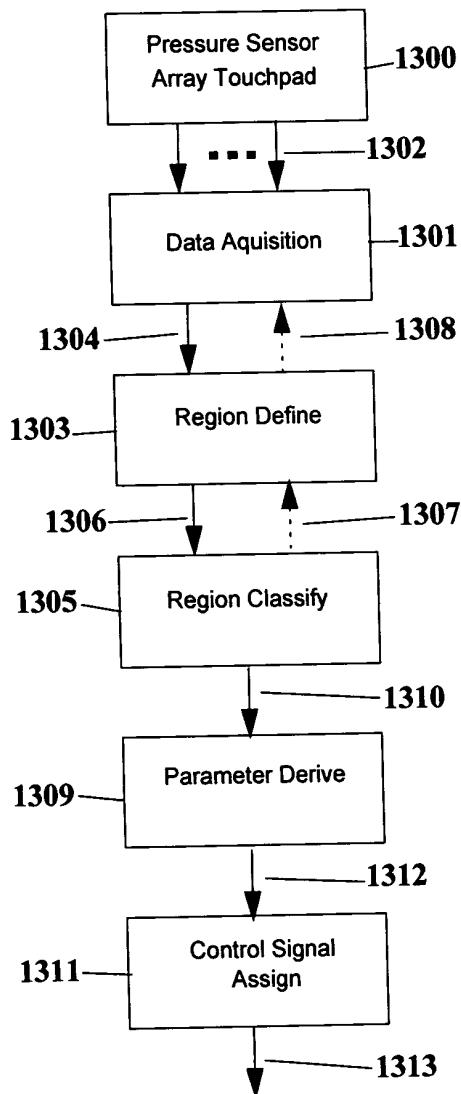


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

13 / 72

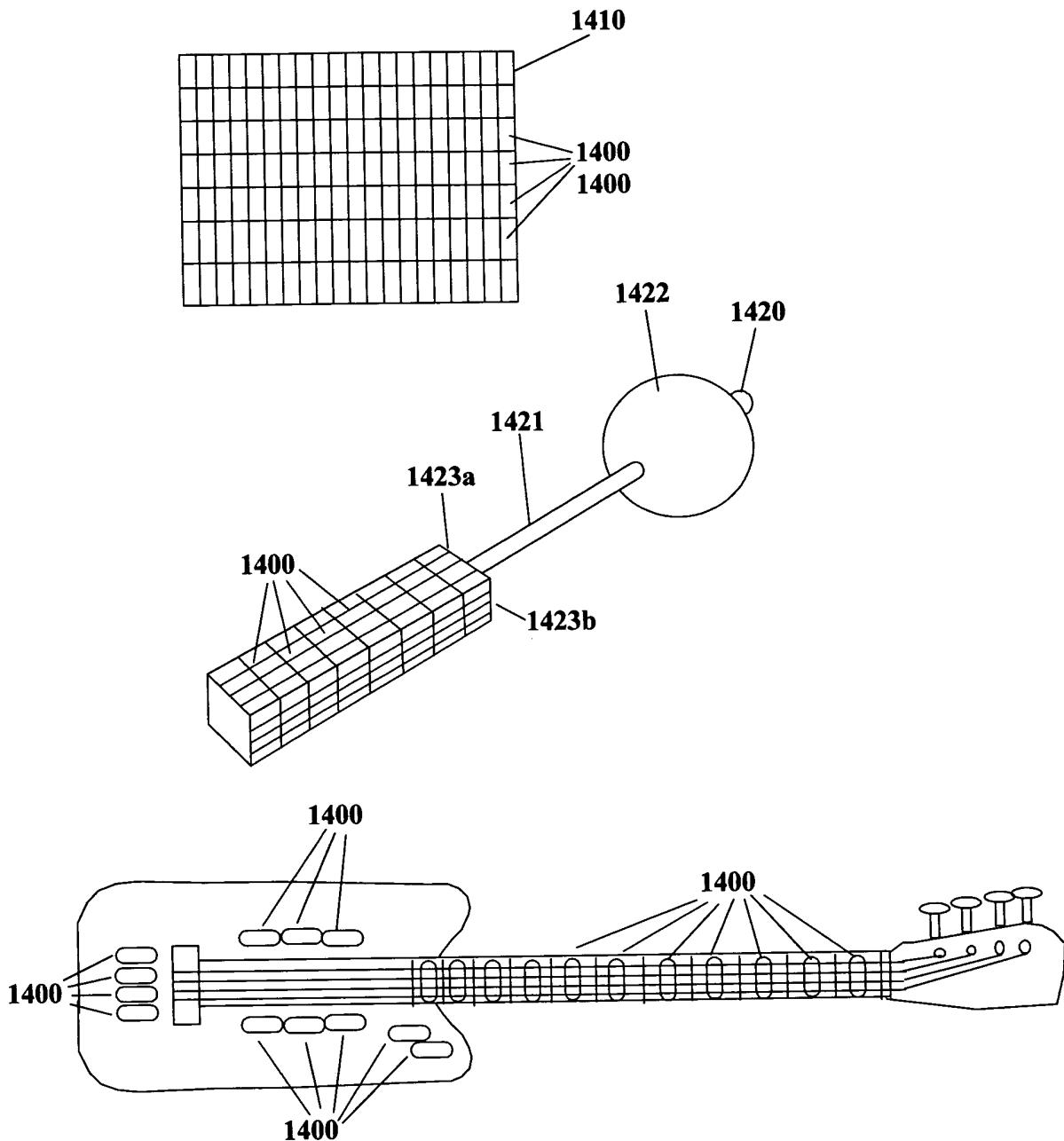
Figure 13



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

14 / 72

Figure 14

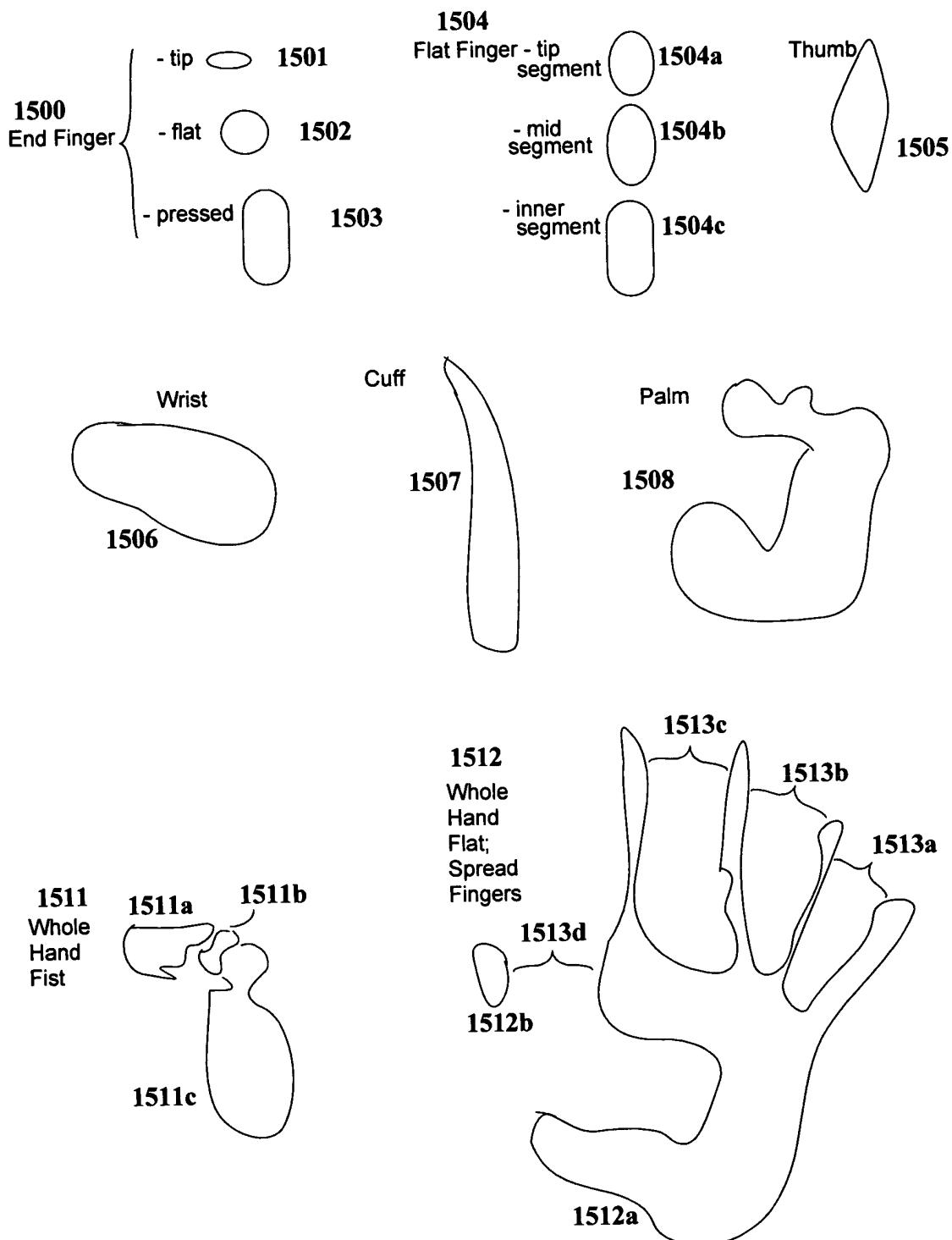


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

15 / 72

Figure 15



EXTENSIONS AND GENERALIZATIONS OF THE

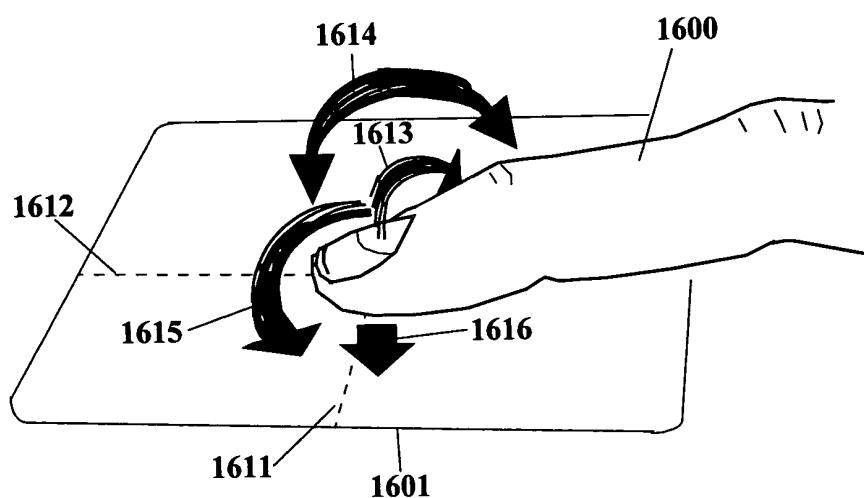
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

16 / 72

Figure 16



EXTENSIONS AND GENERALIZATIONS OF THE

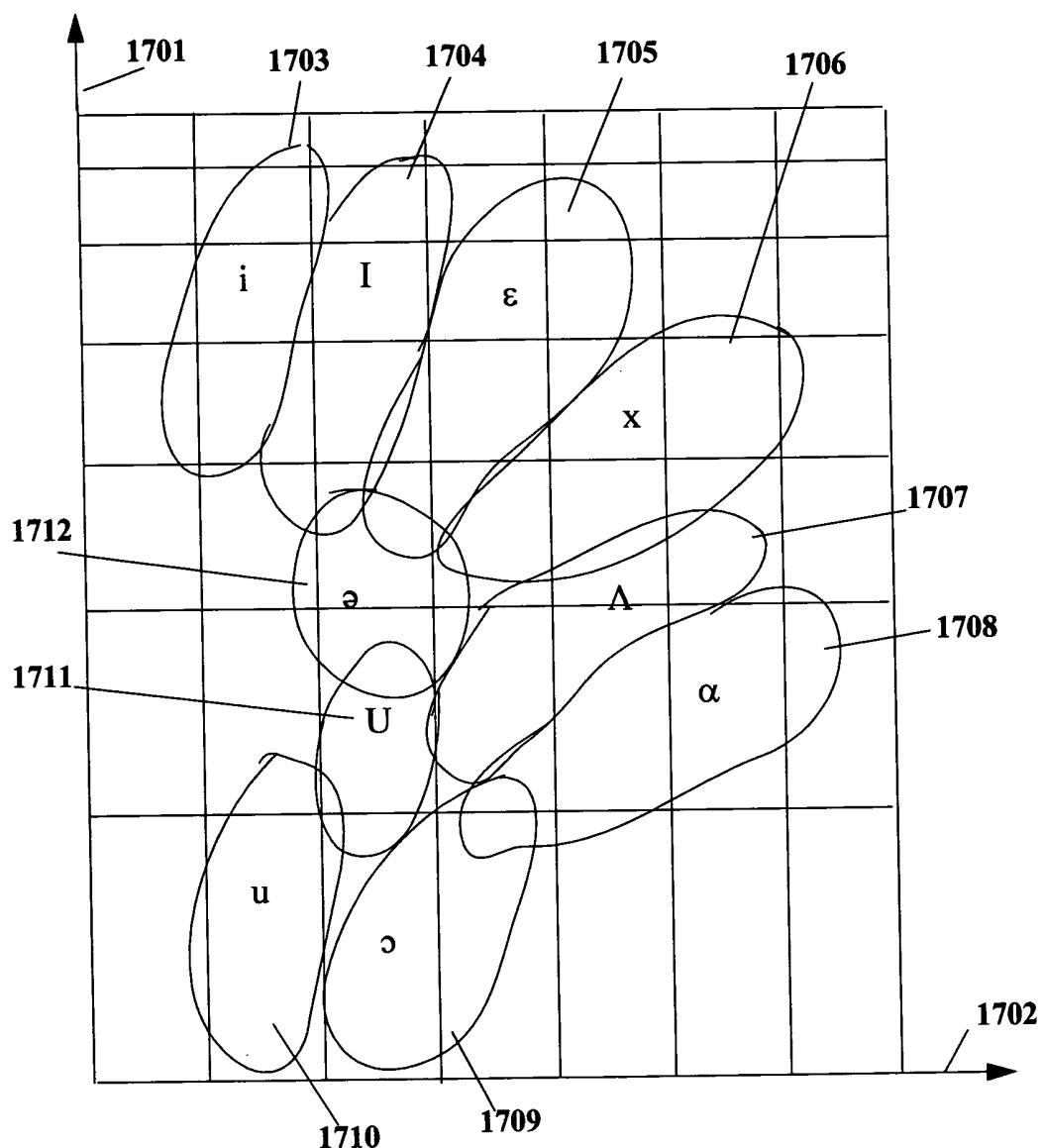
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

17 / 72

Figure 17



EXTENSIONS AND GENERALIZATIONS OF THE

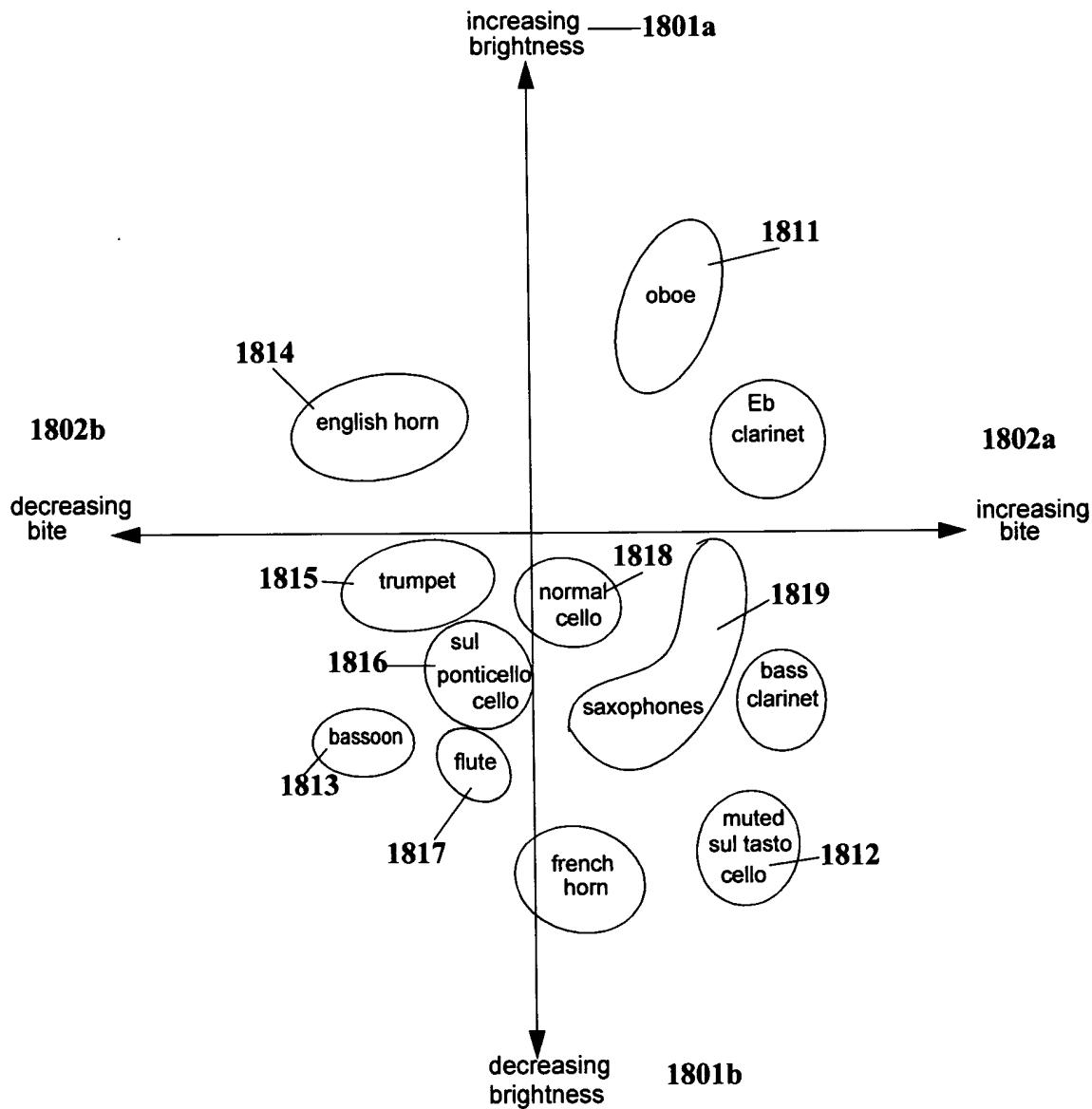
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**18 / 72**

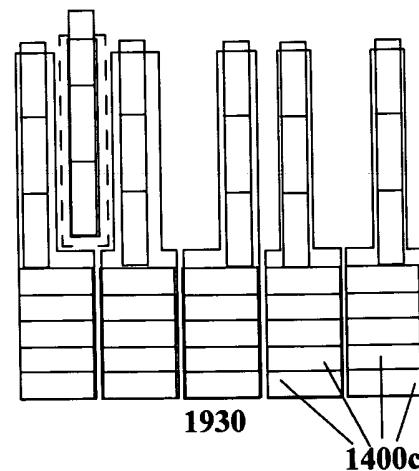
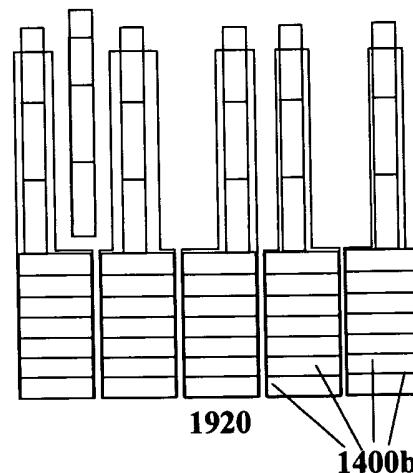
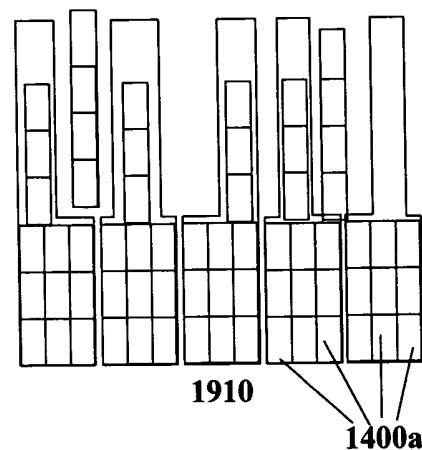
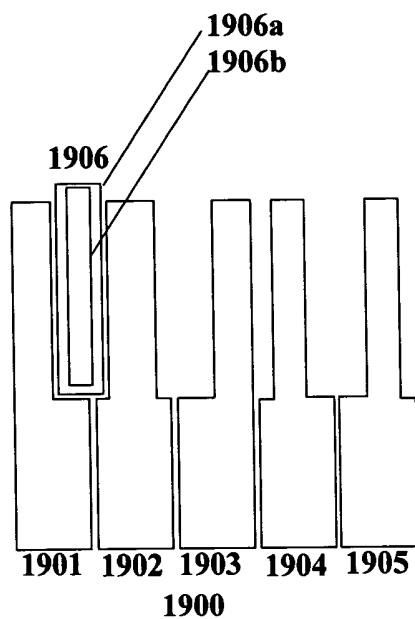
Figure 18



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

19 / 72

Figure 19

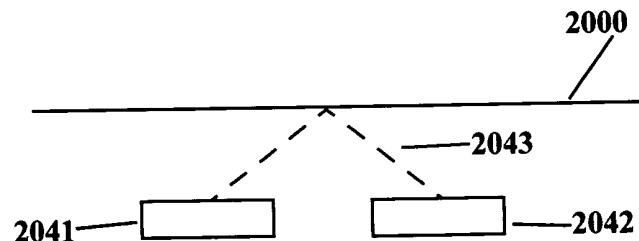
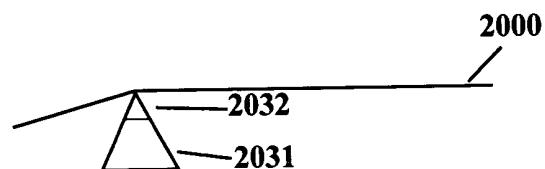
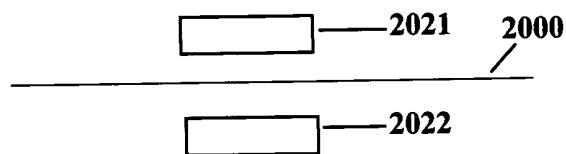
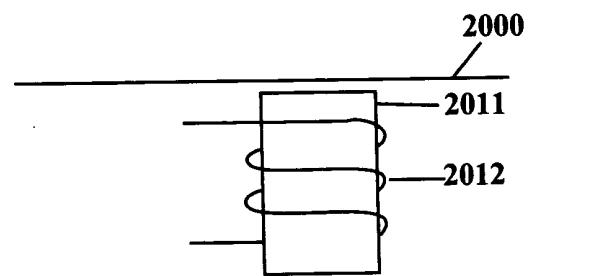


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**20 / 72**

**Figure 20**

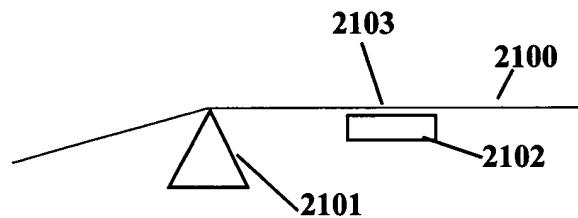


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 21**

**21 / 72**



EXTENSIONS AND GENERALIZATIONS OF THE

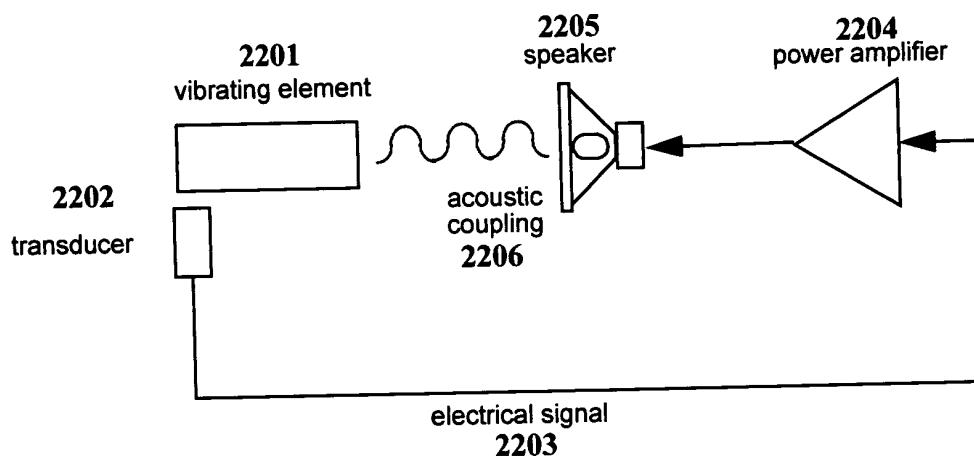
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**22 / 72**

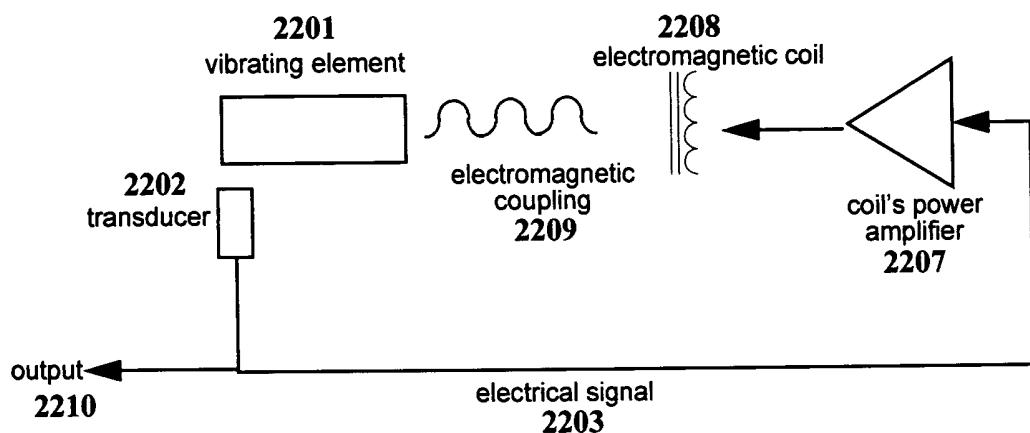
**Figure 22**



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 23

23 / 72

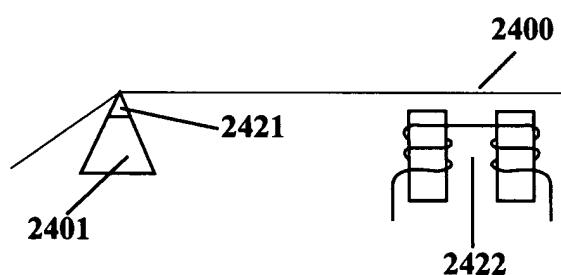
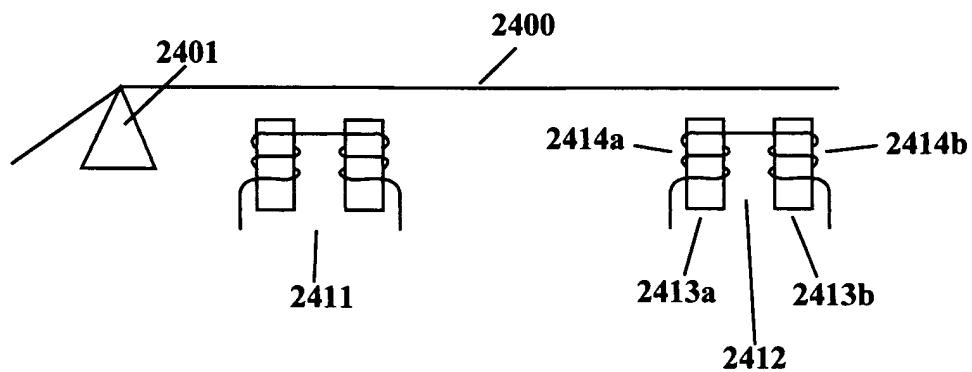


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 24**

**24 / 72**



EXTENSIONS AND GENERALIZATIONS OF THE

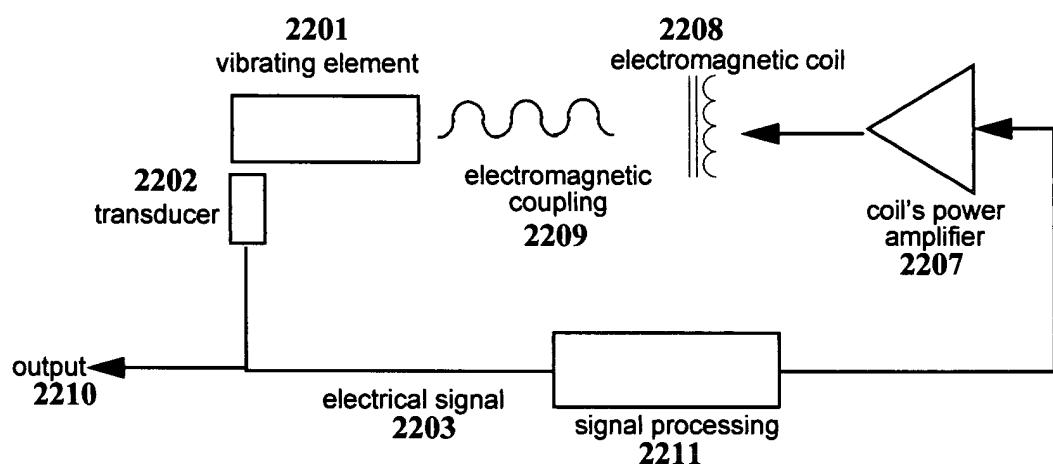
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

25 / 72

Figure 25

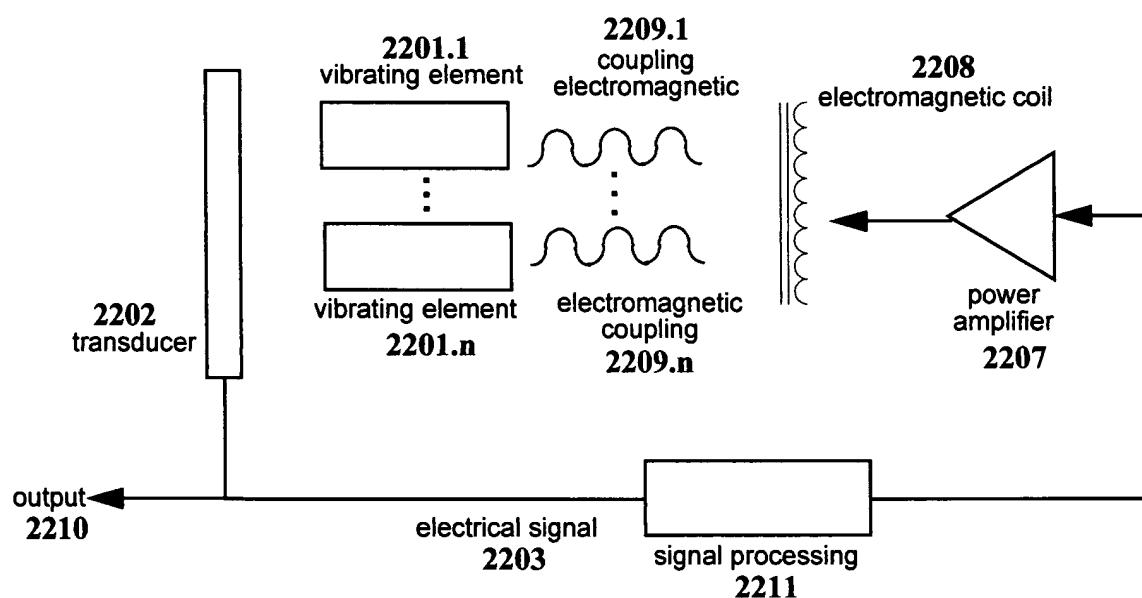


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**26 / 72**

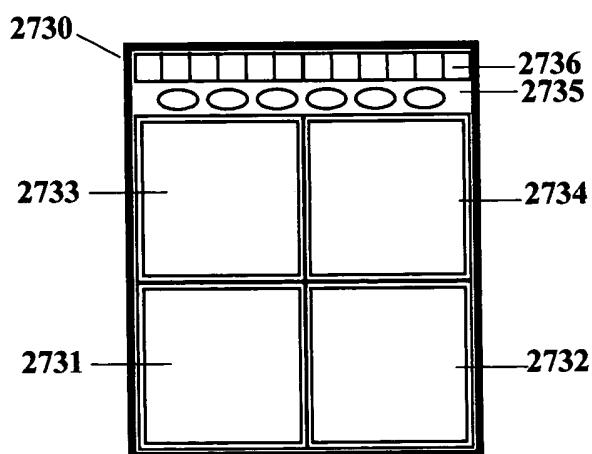
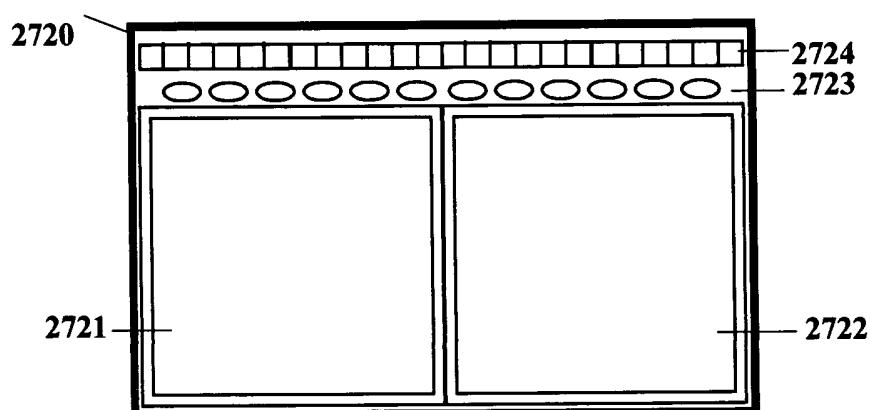
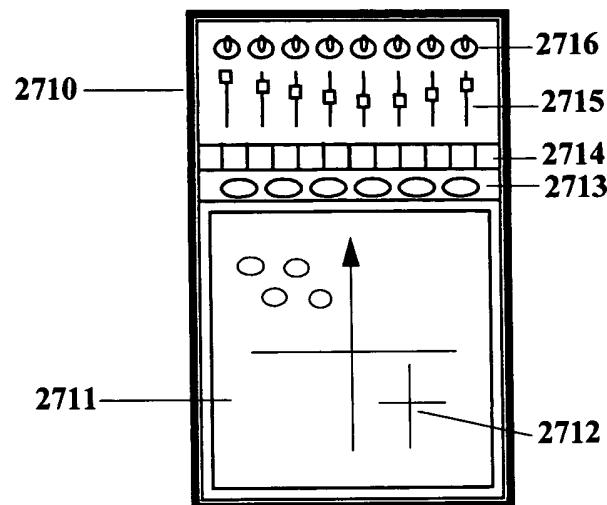
**Figure 26**



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

27 / 72

Figure 27



EXTENSIONS AND GENERALIZATIONS OF THE

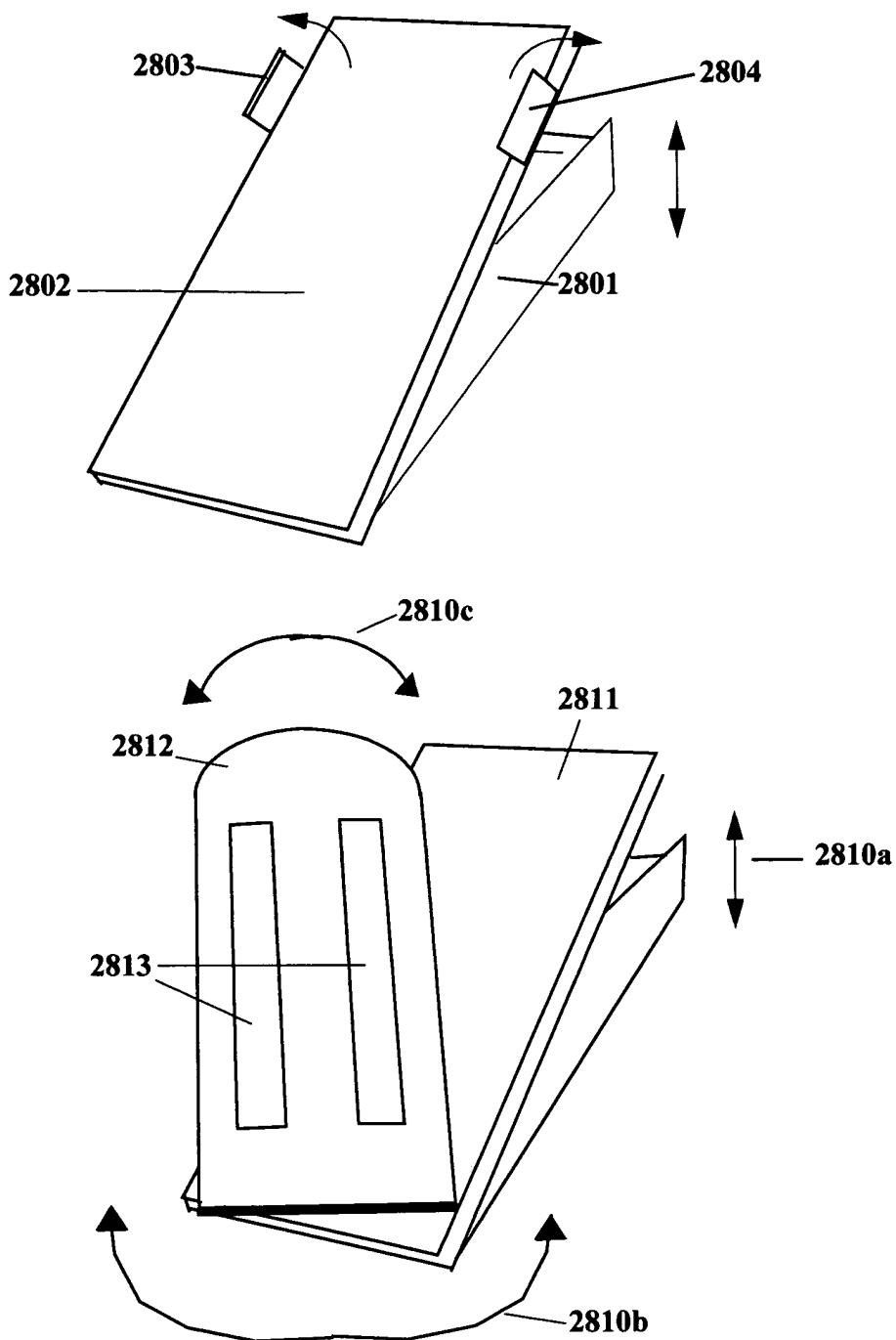
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**28 / 72**

**Figure 28**

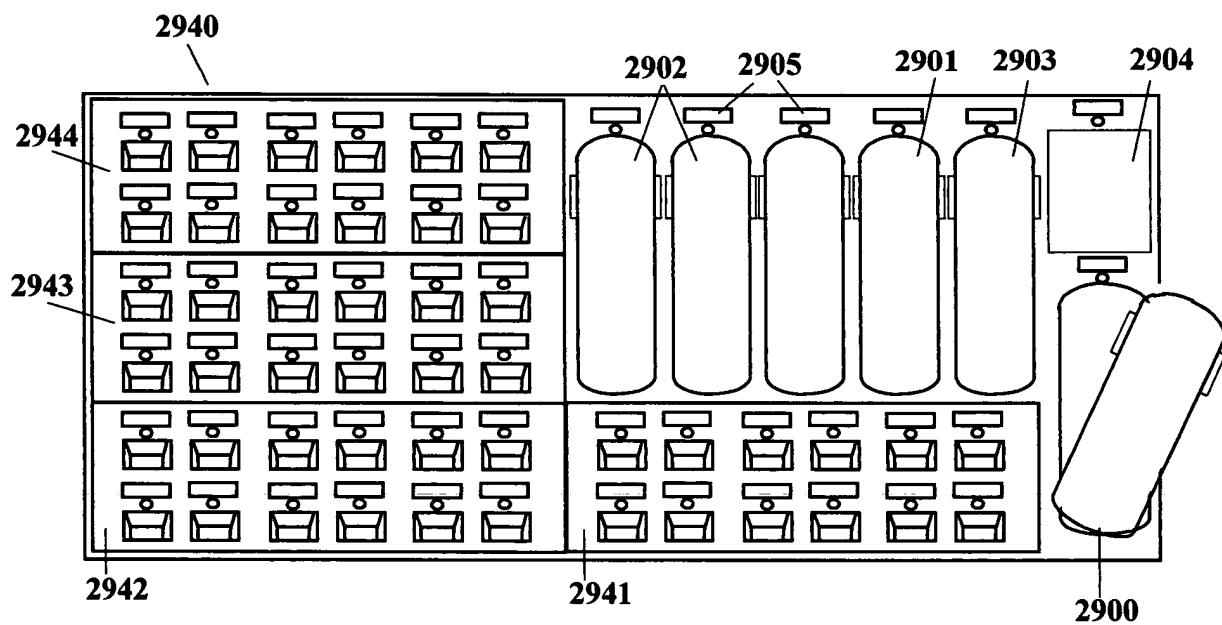
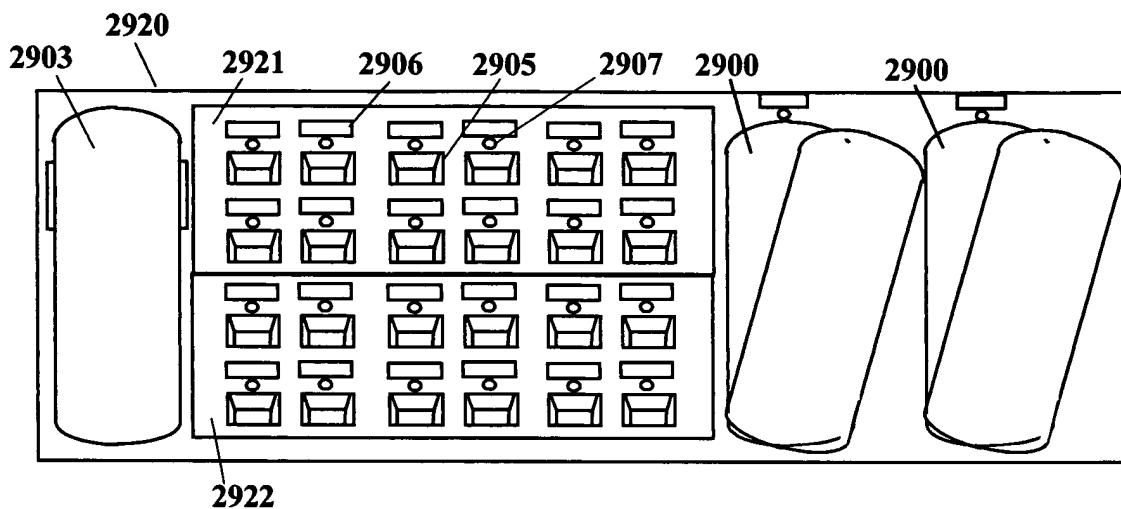


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

29 / 72

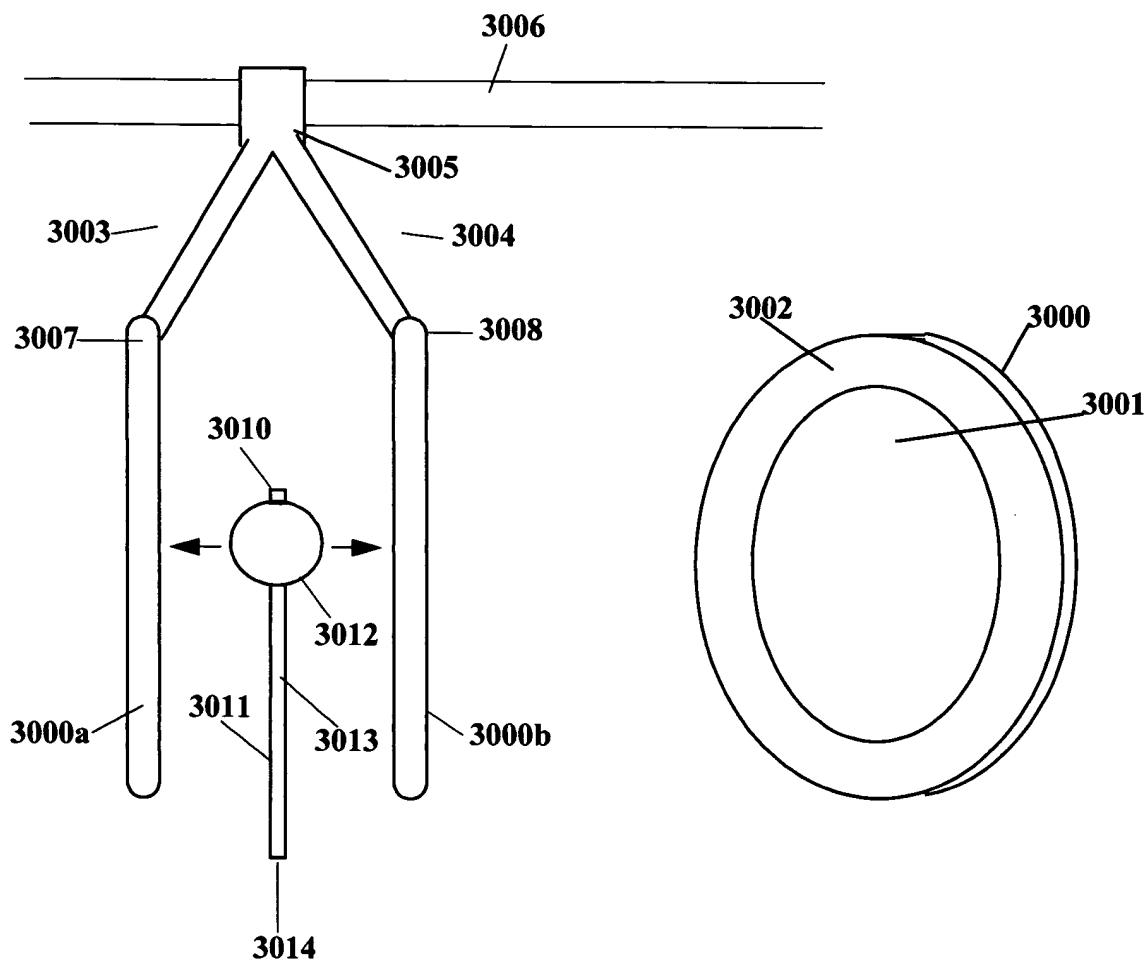
Figure 29



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

30 / 72

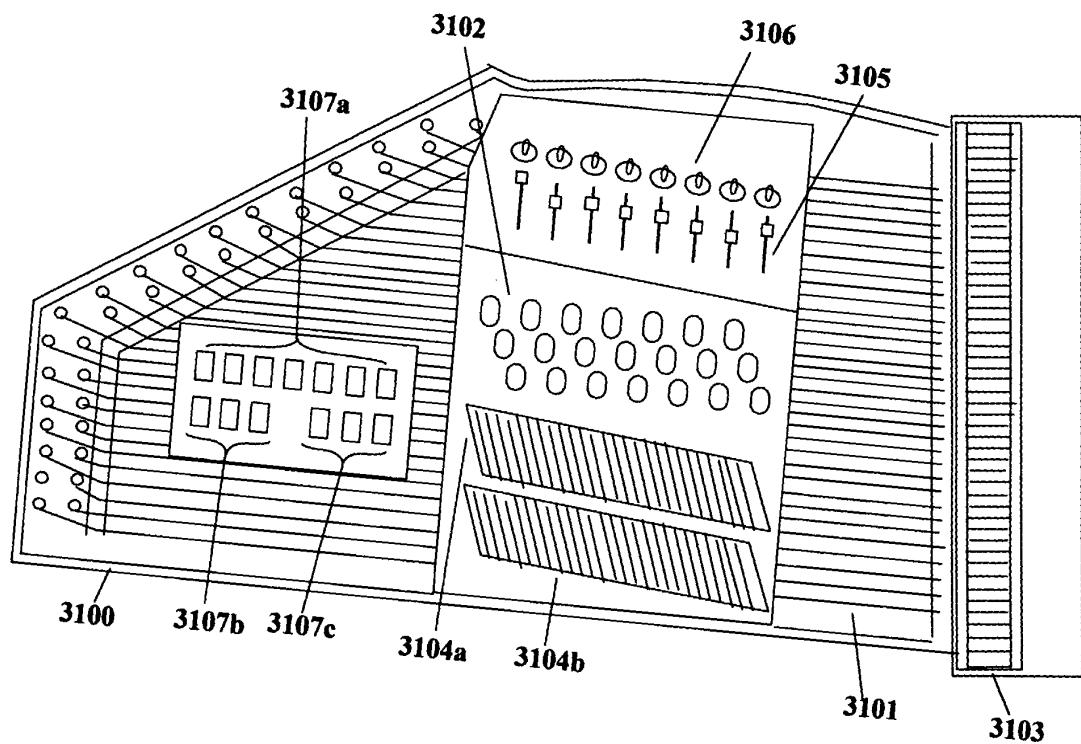
Figure 30



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 31

31 / 72

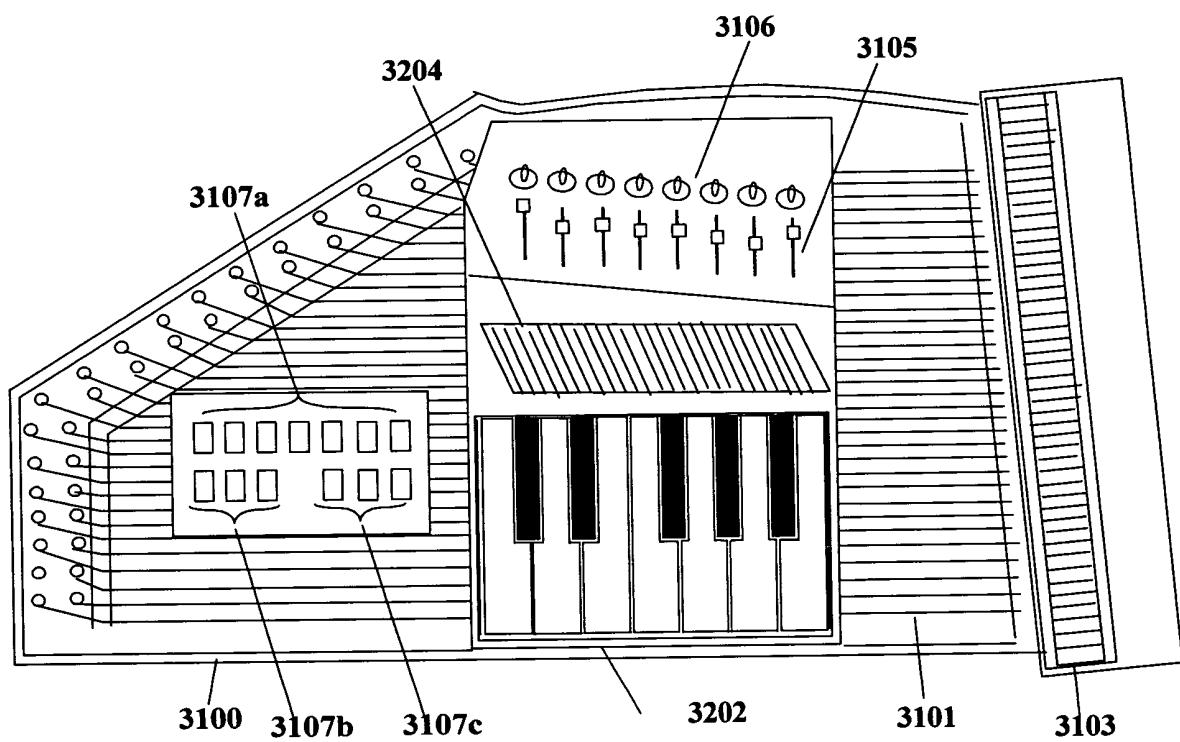


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

32 / 72

Figure 32

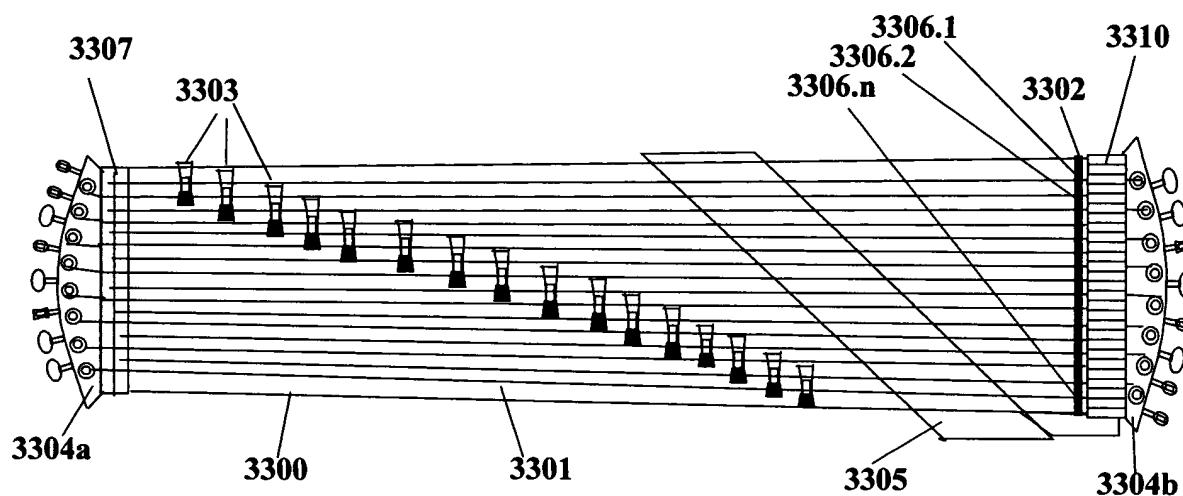


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 33**

**33 / 72**

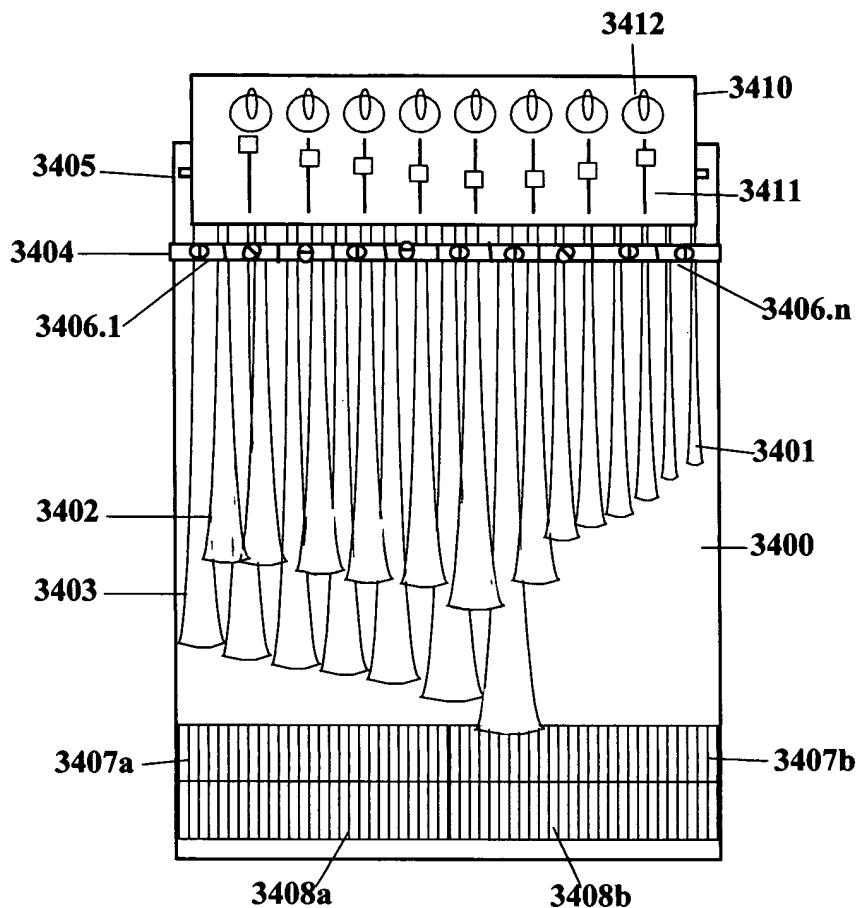


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 34**

**34 / 72**



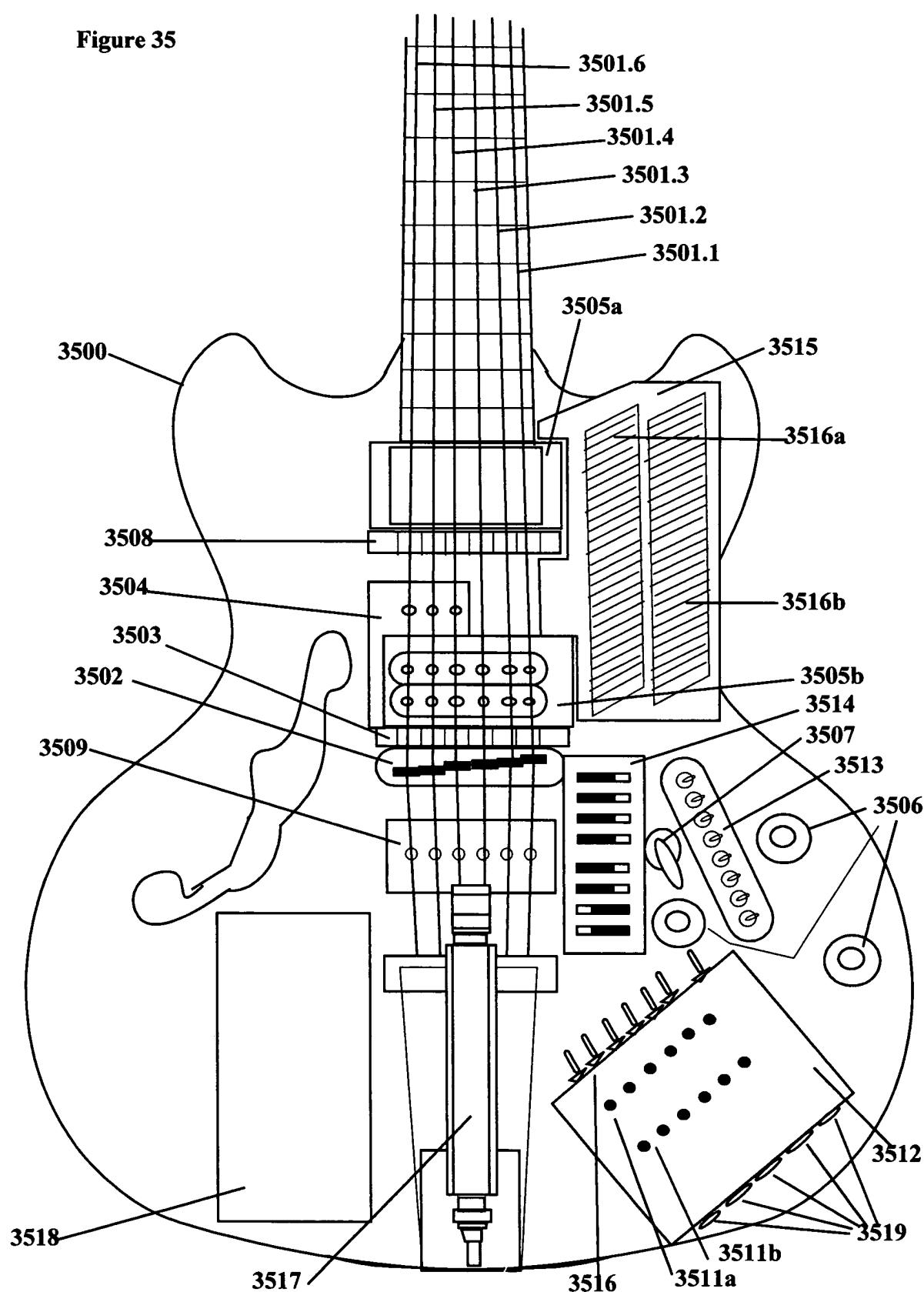
EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

35 / 72

Figure 35



EXTENSIONS AND GENERALIZATIONS OF THE

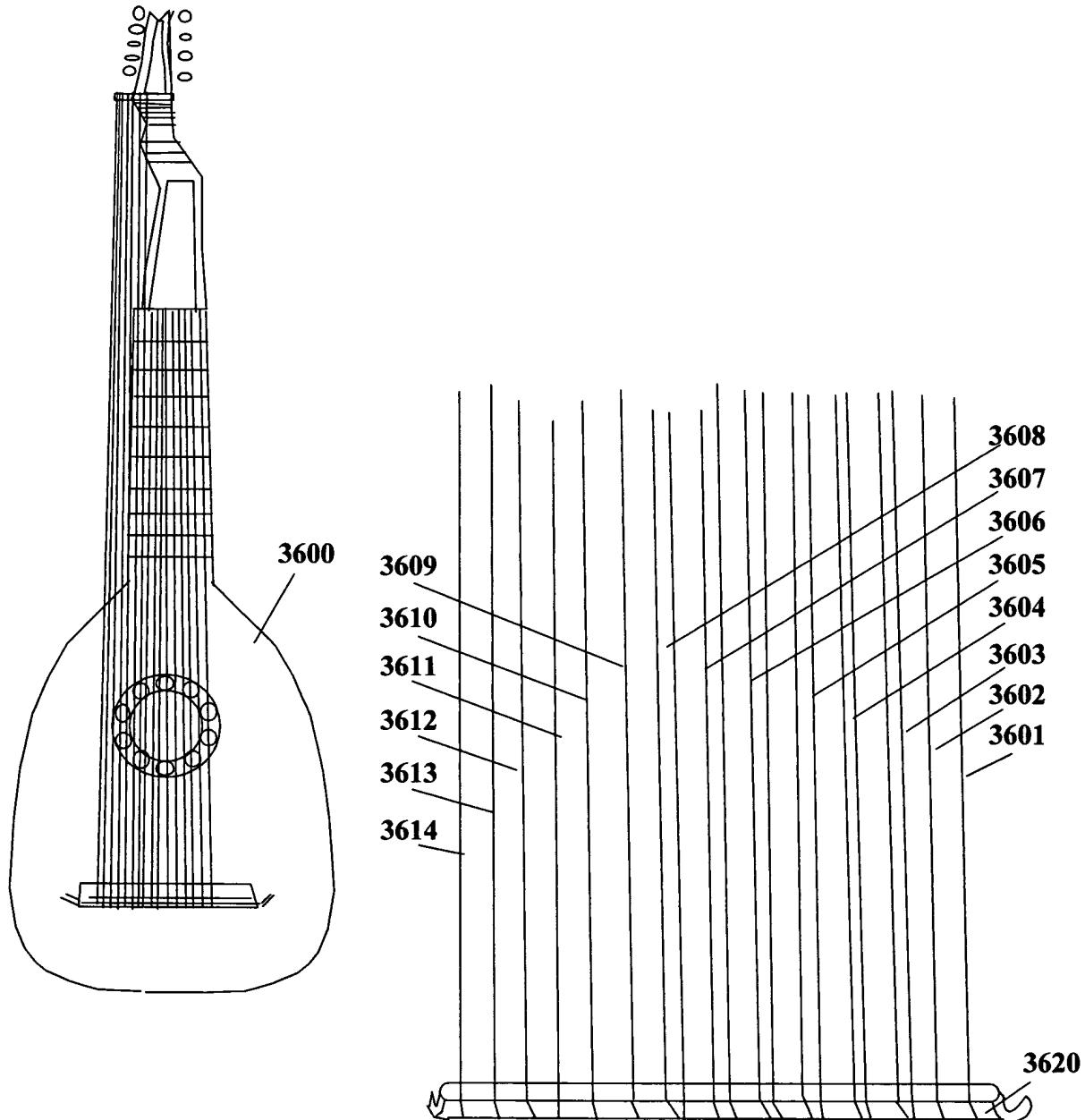
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 36

36 / 72



EXTENSIONS AND GENERALIZATIONS OF THE

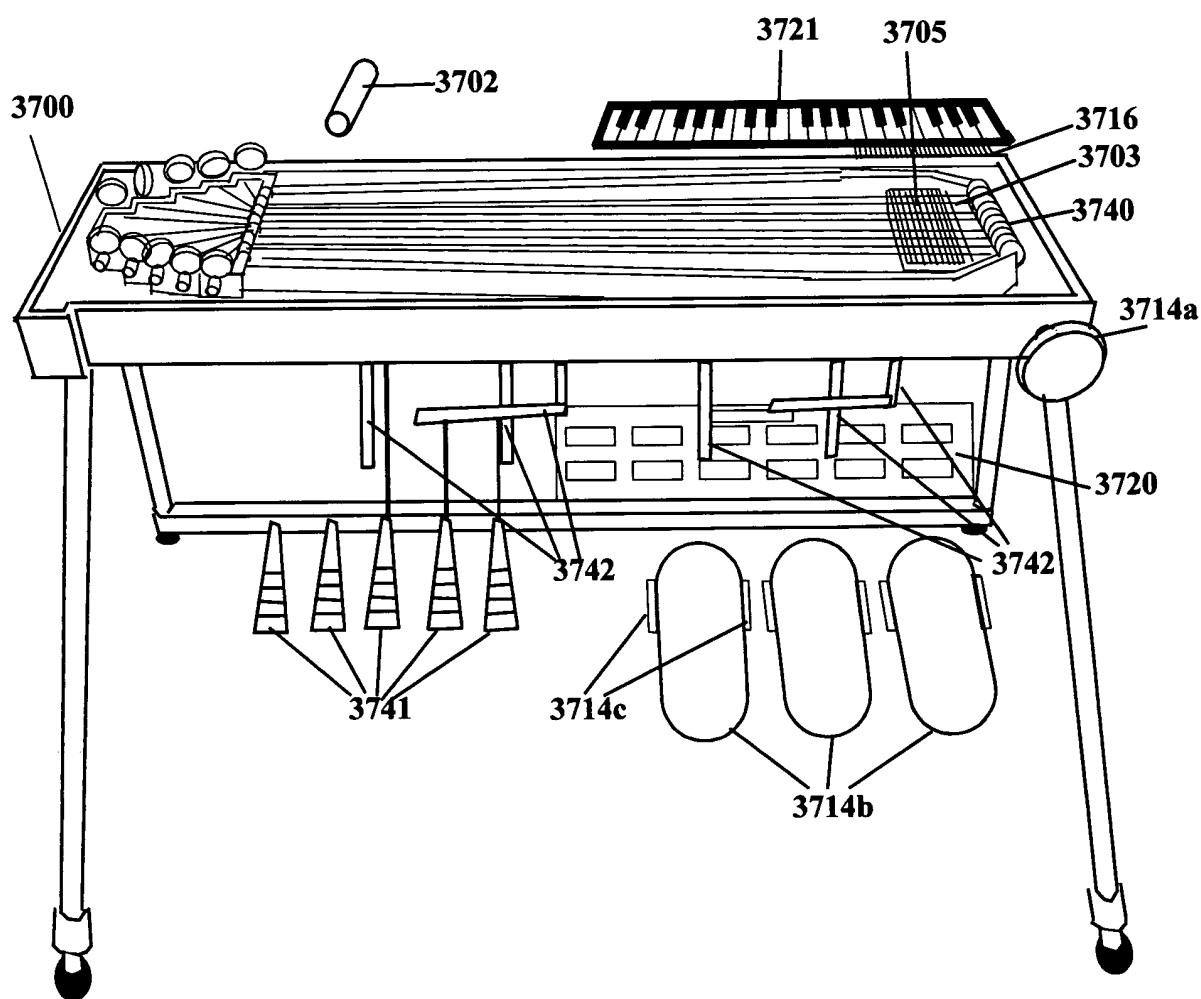
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

37 / 72

Figure 37



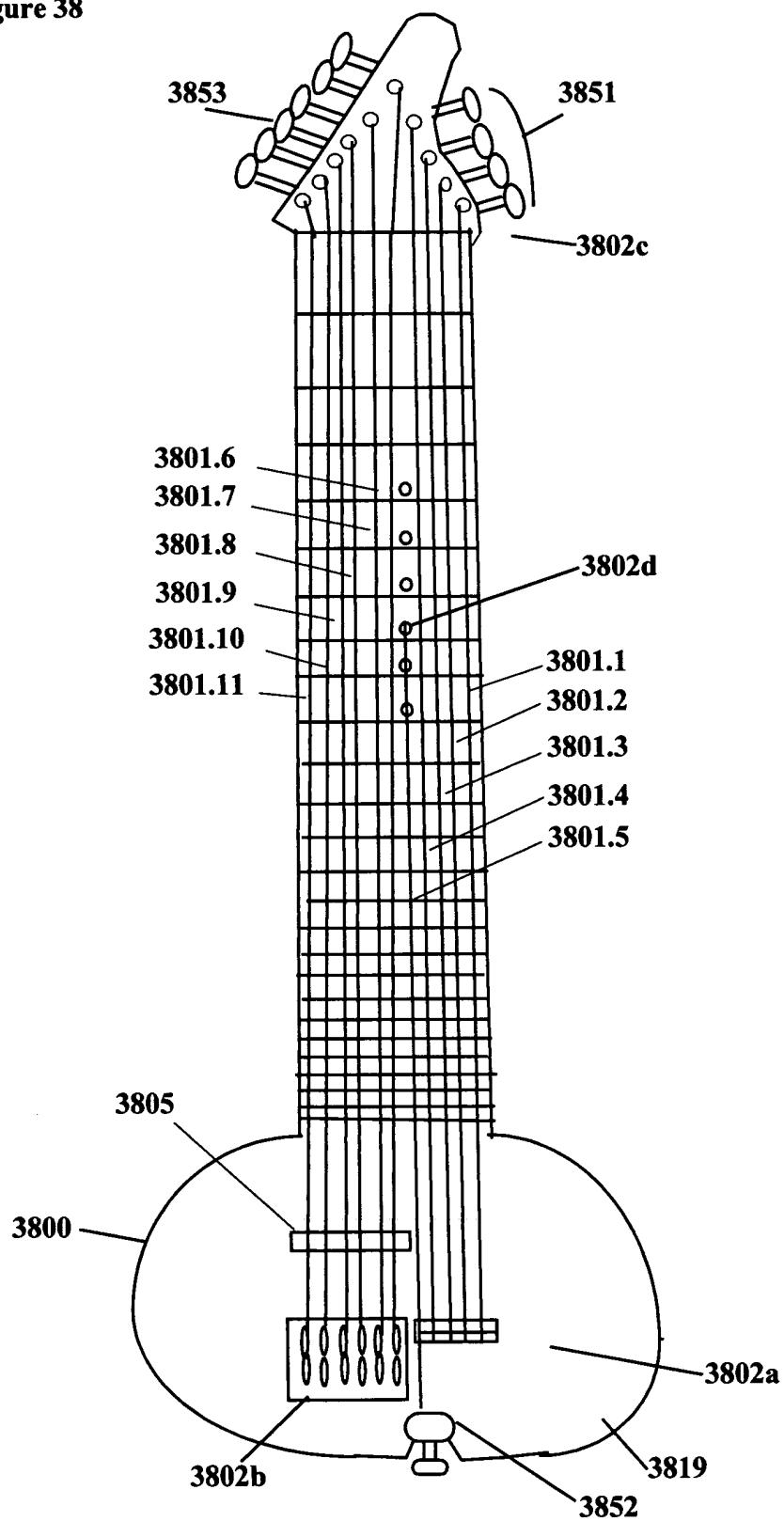
EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

38 / 72

Figure 38

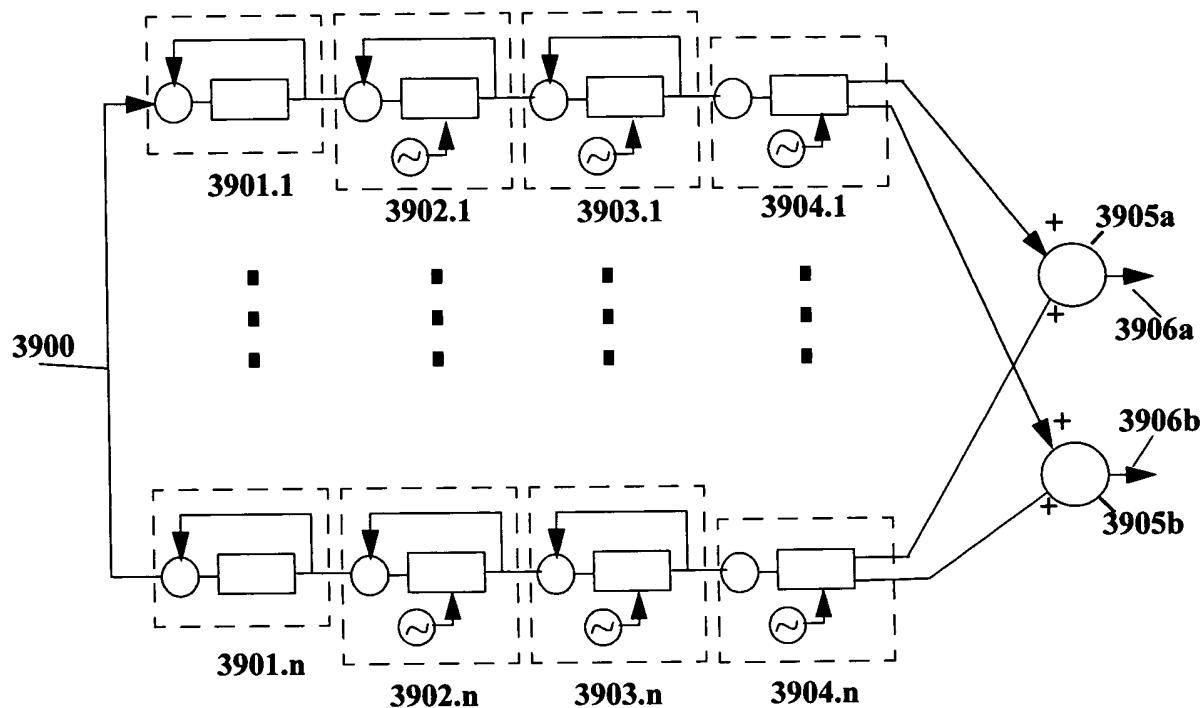


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

39 / 72

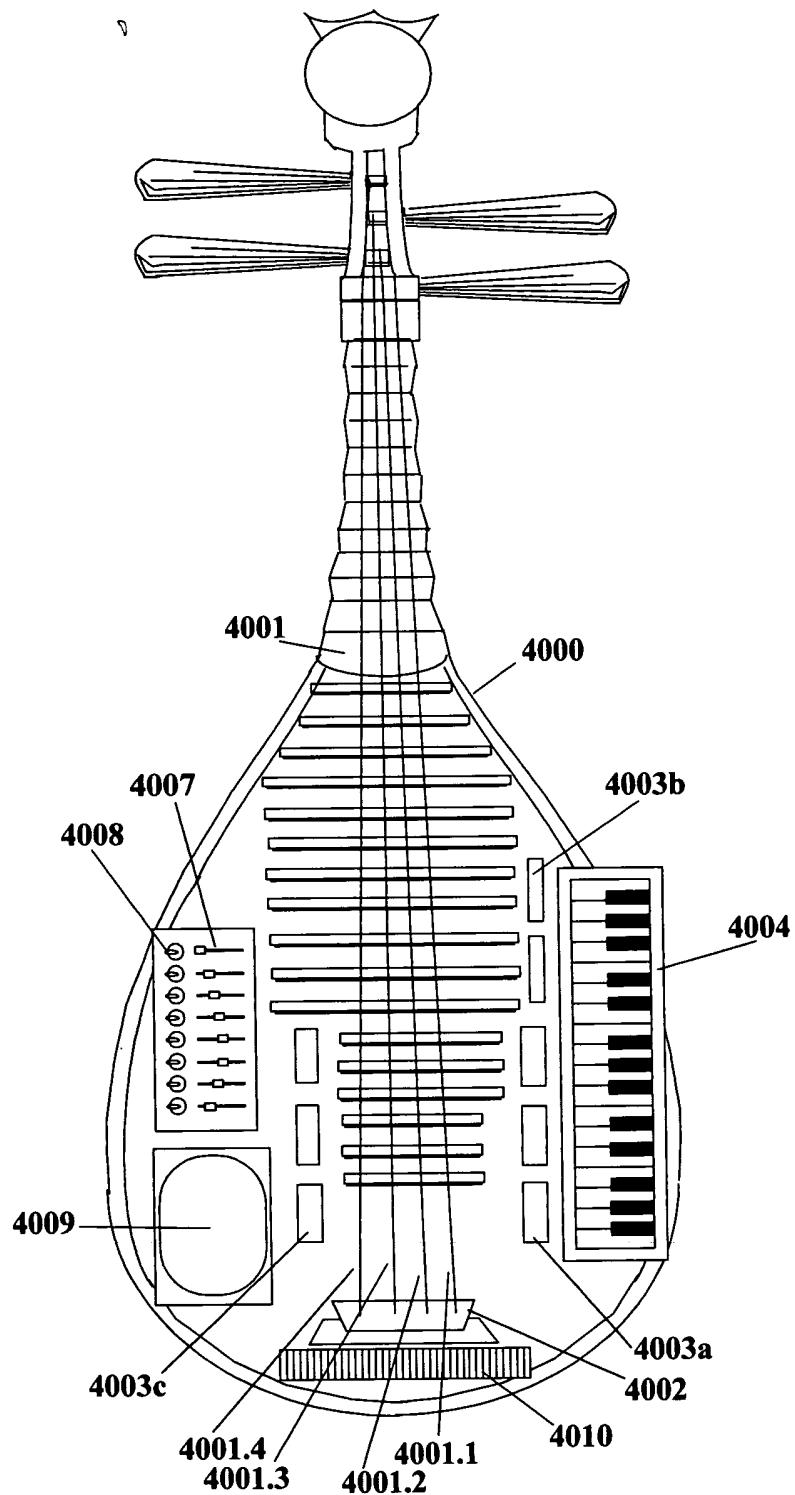
Figure 39



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

40 / 72

Figure 40



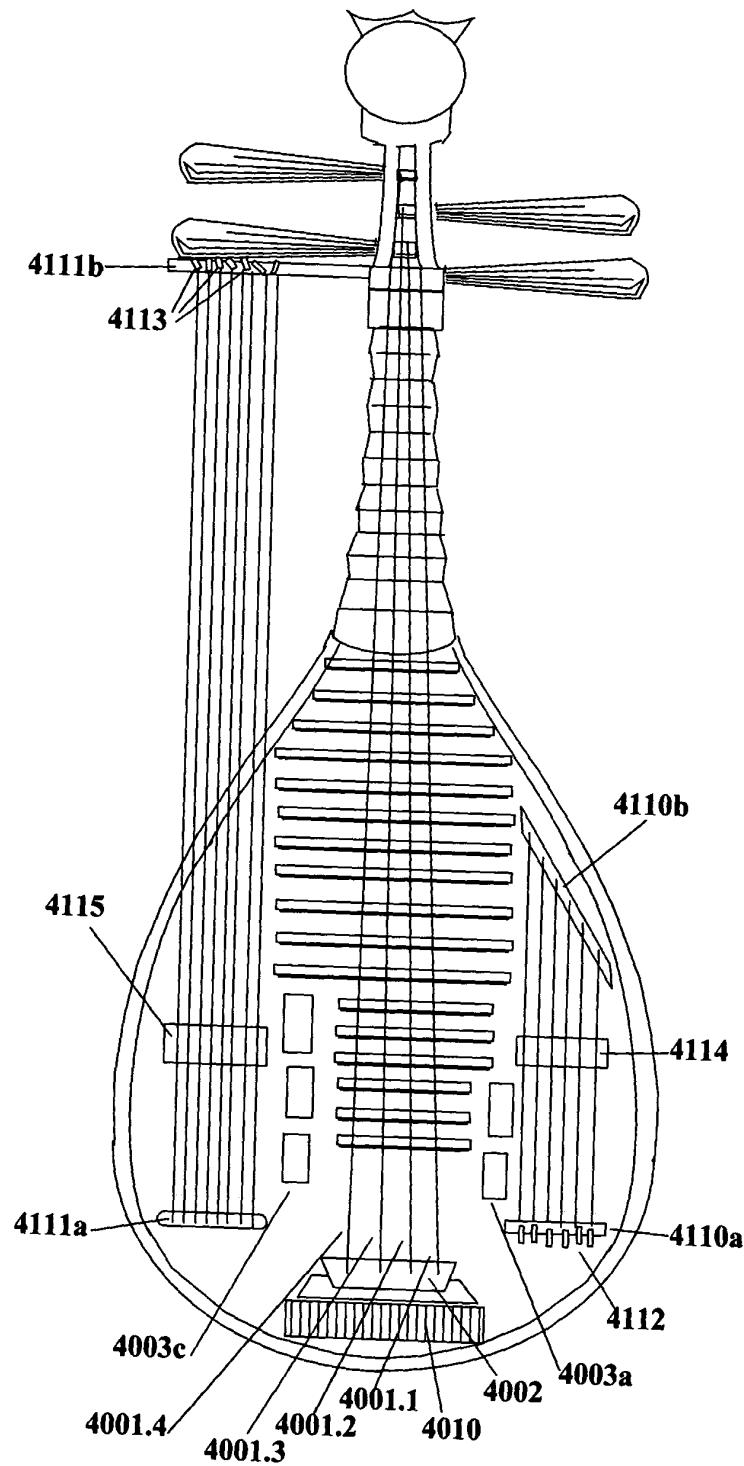
EXTENSIONS AND GENERALIZATIONS OF THE

PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

41 / 72

Figure 41



EXTENSIONS AND GENERALIZATIONS OF THE

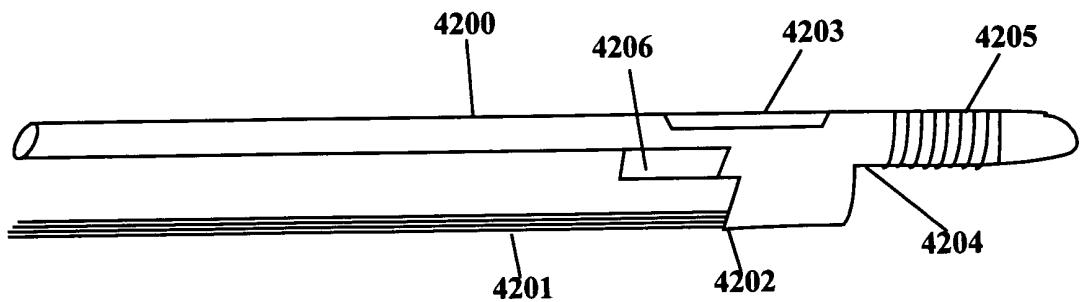
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

42 / 72

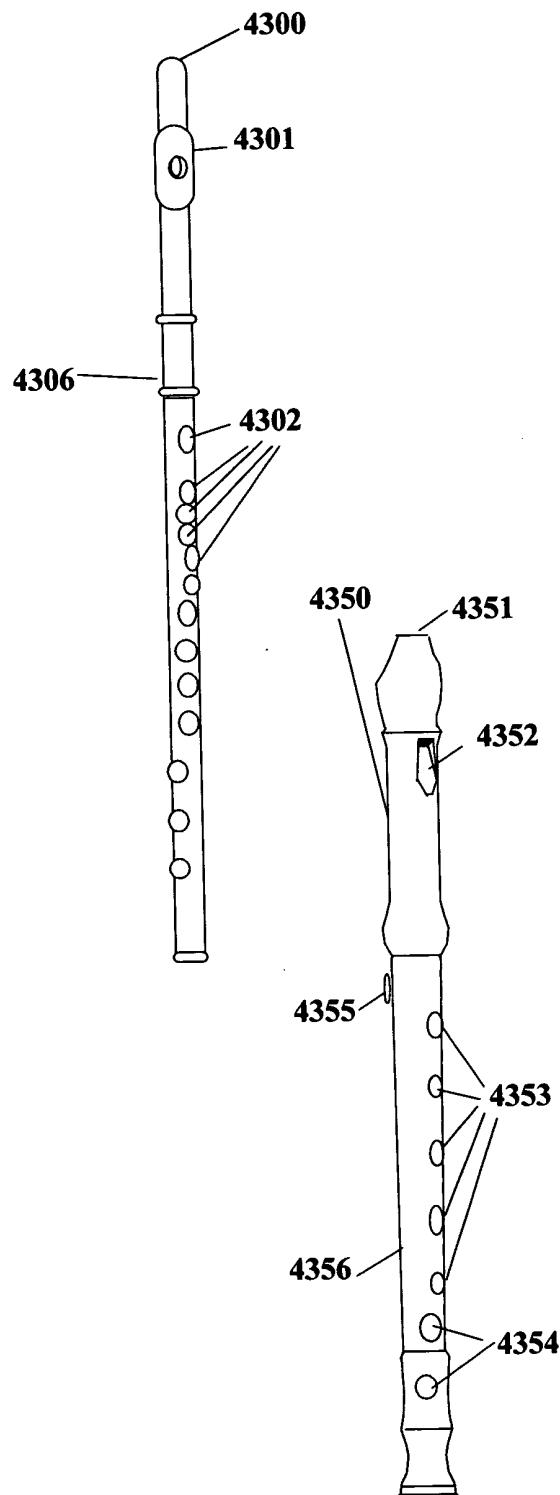
Figure 42



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

43 / 72

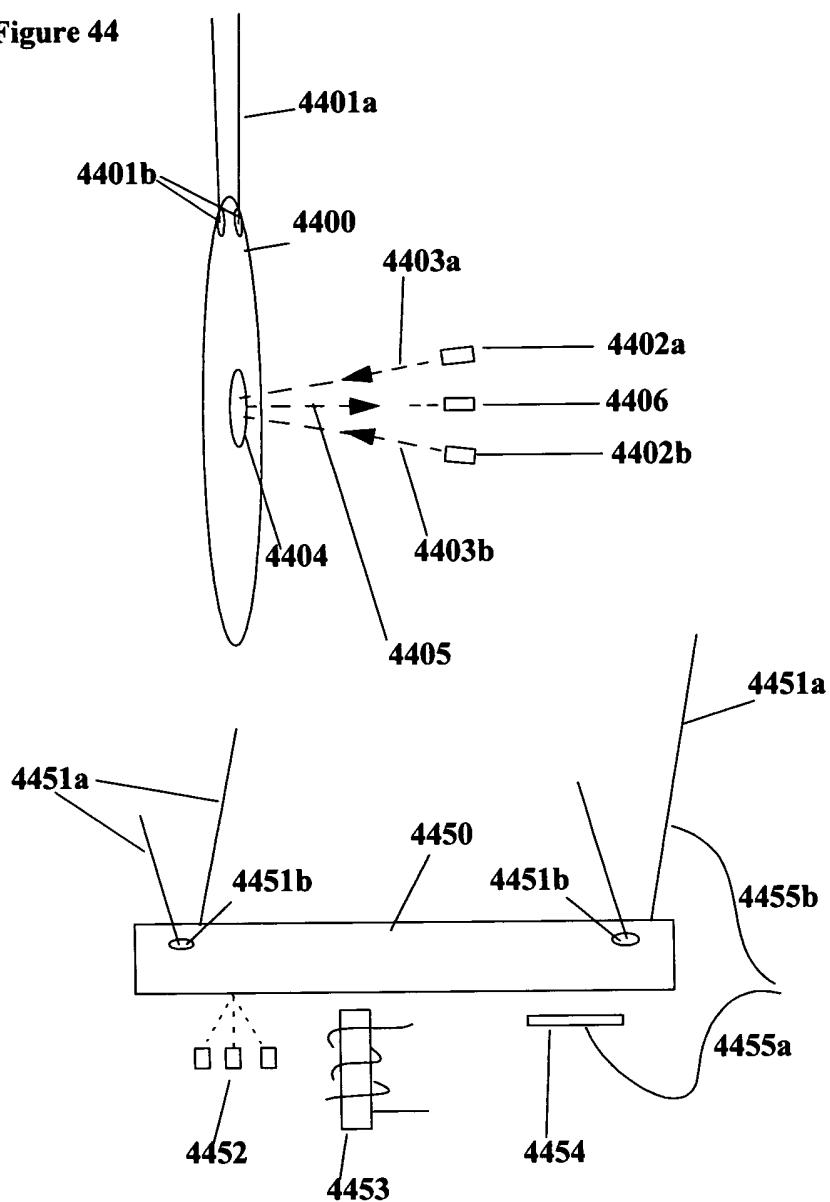
Figure 43



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

44 / 72

Figure 44



EXTENSIONS AND GENERALIZATIONS OF THE

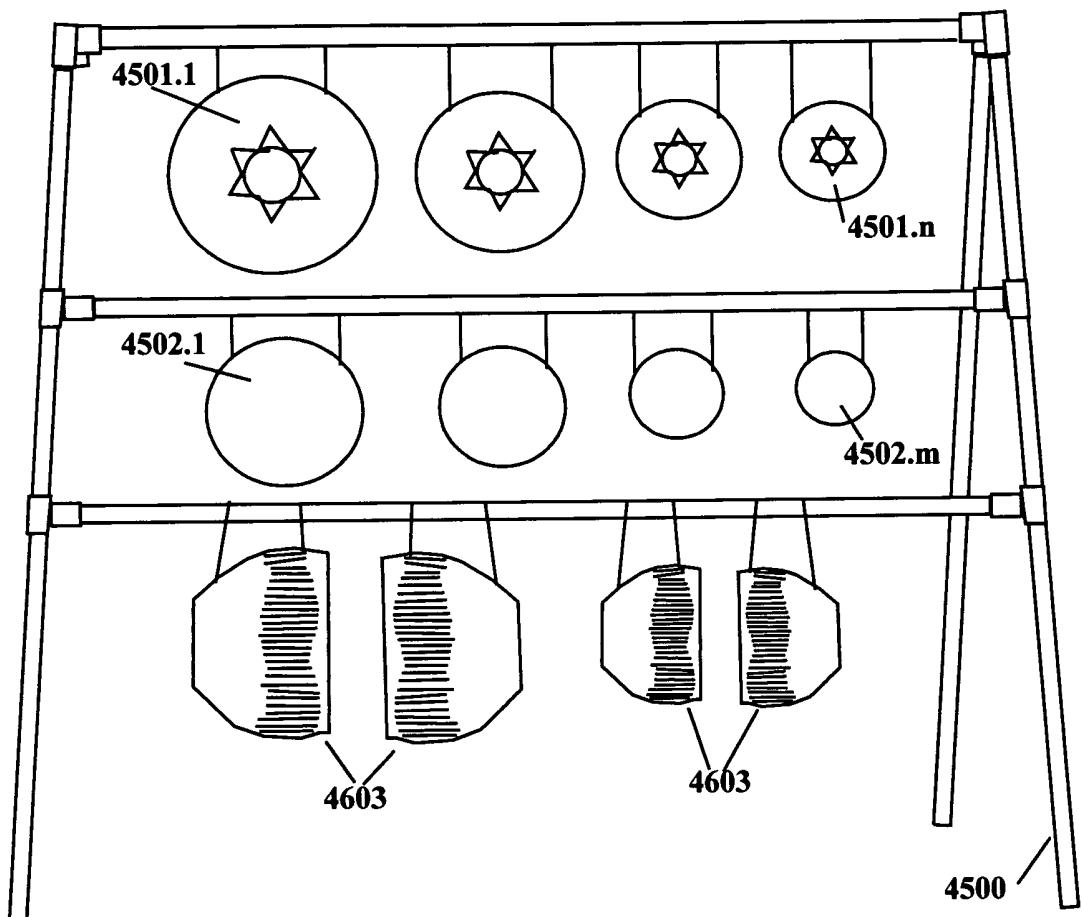
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 45

45 / 72



EXTENSIONS AND GENERALIZATIONS OF THE

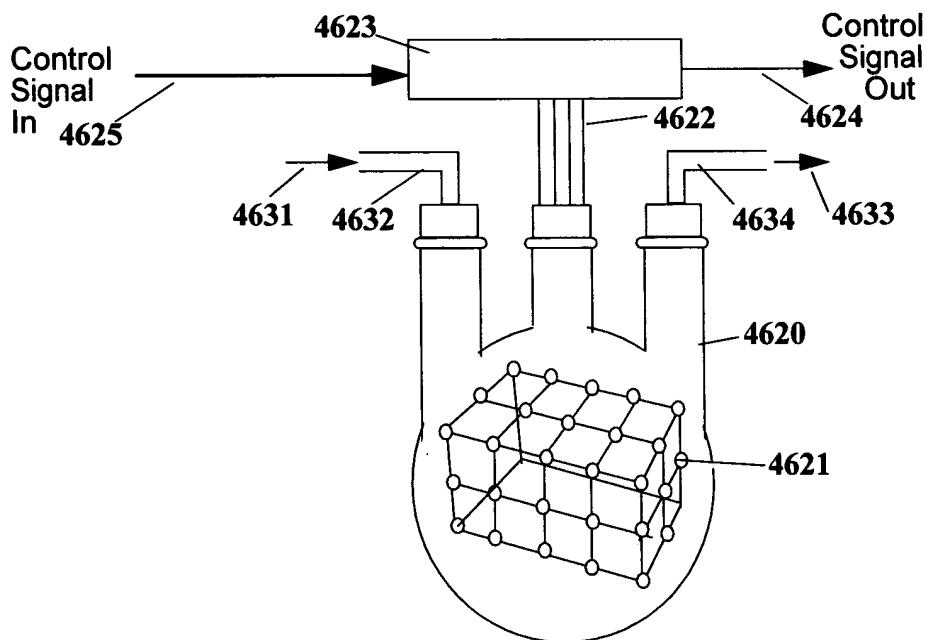
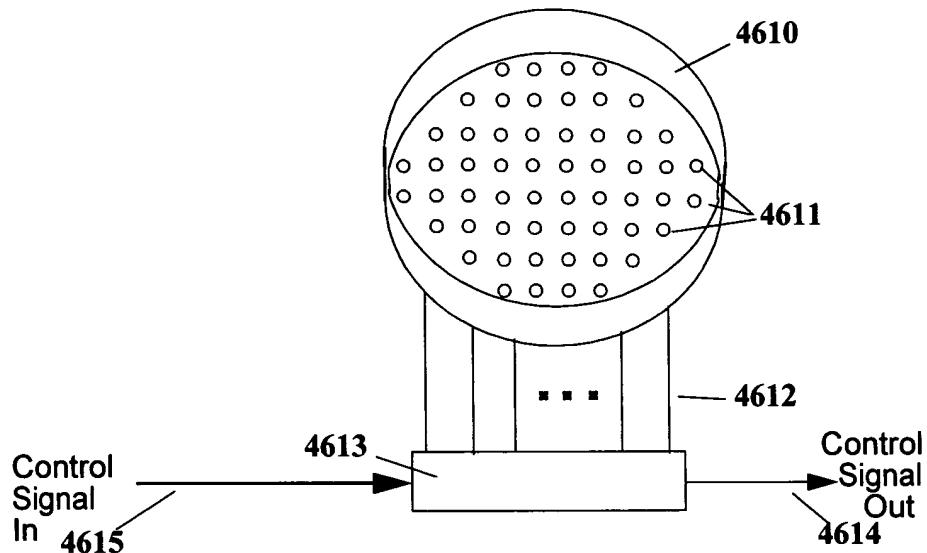
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 46

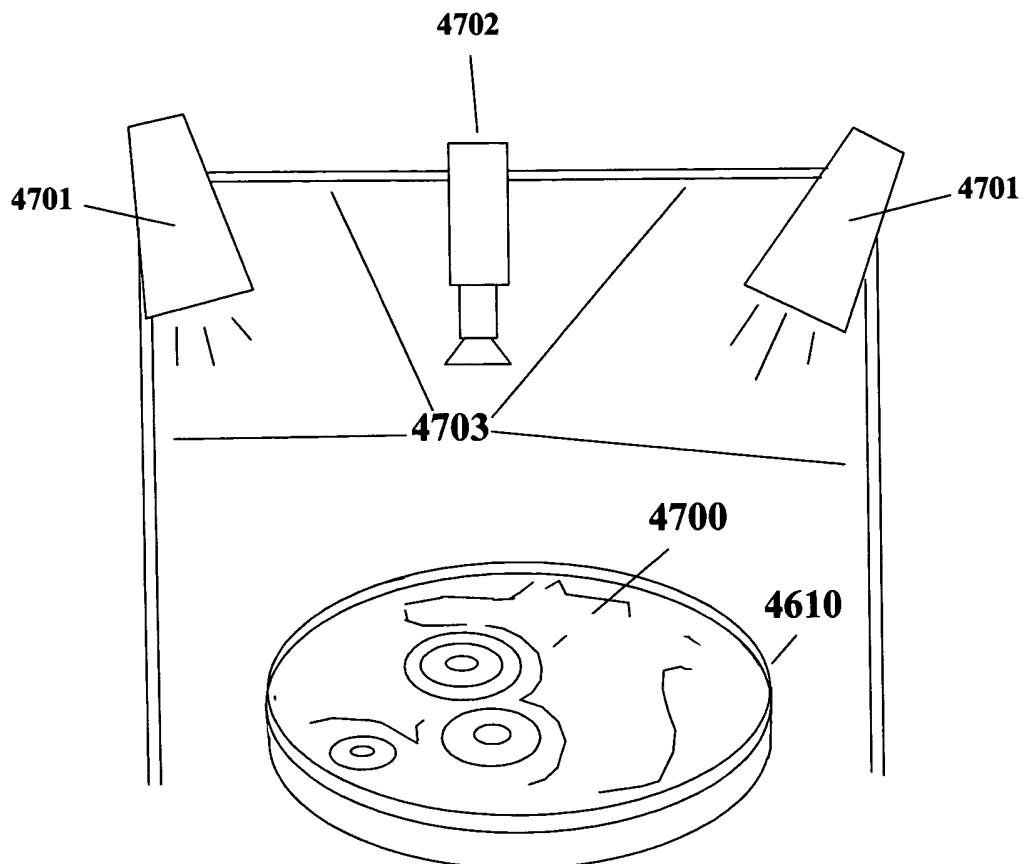
46 / 72



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 47

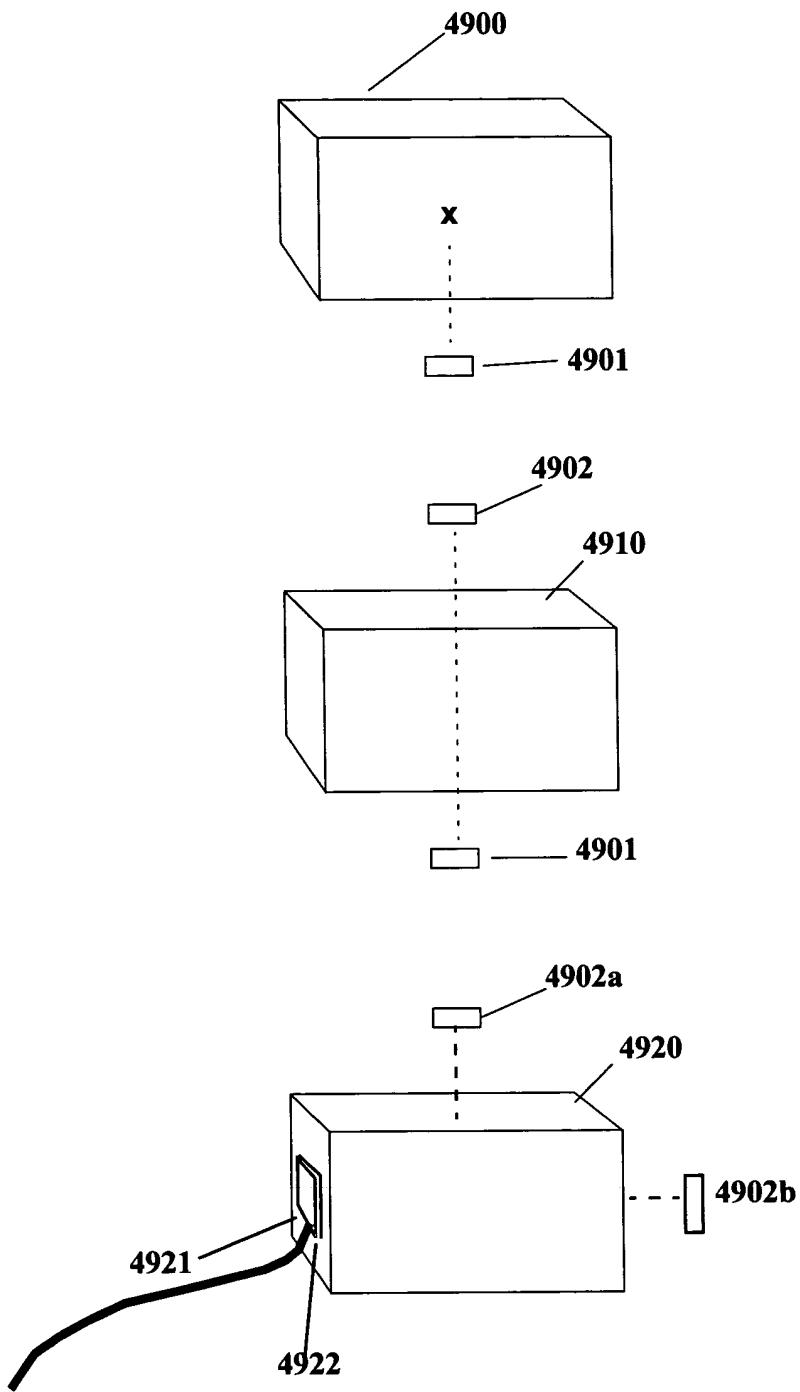
47 / 72



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 48

48 / 72



EXTENSIONS AND GENERALIZATIONS OF THE

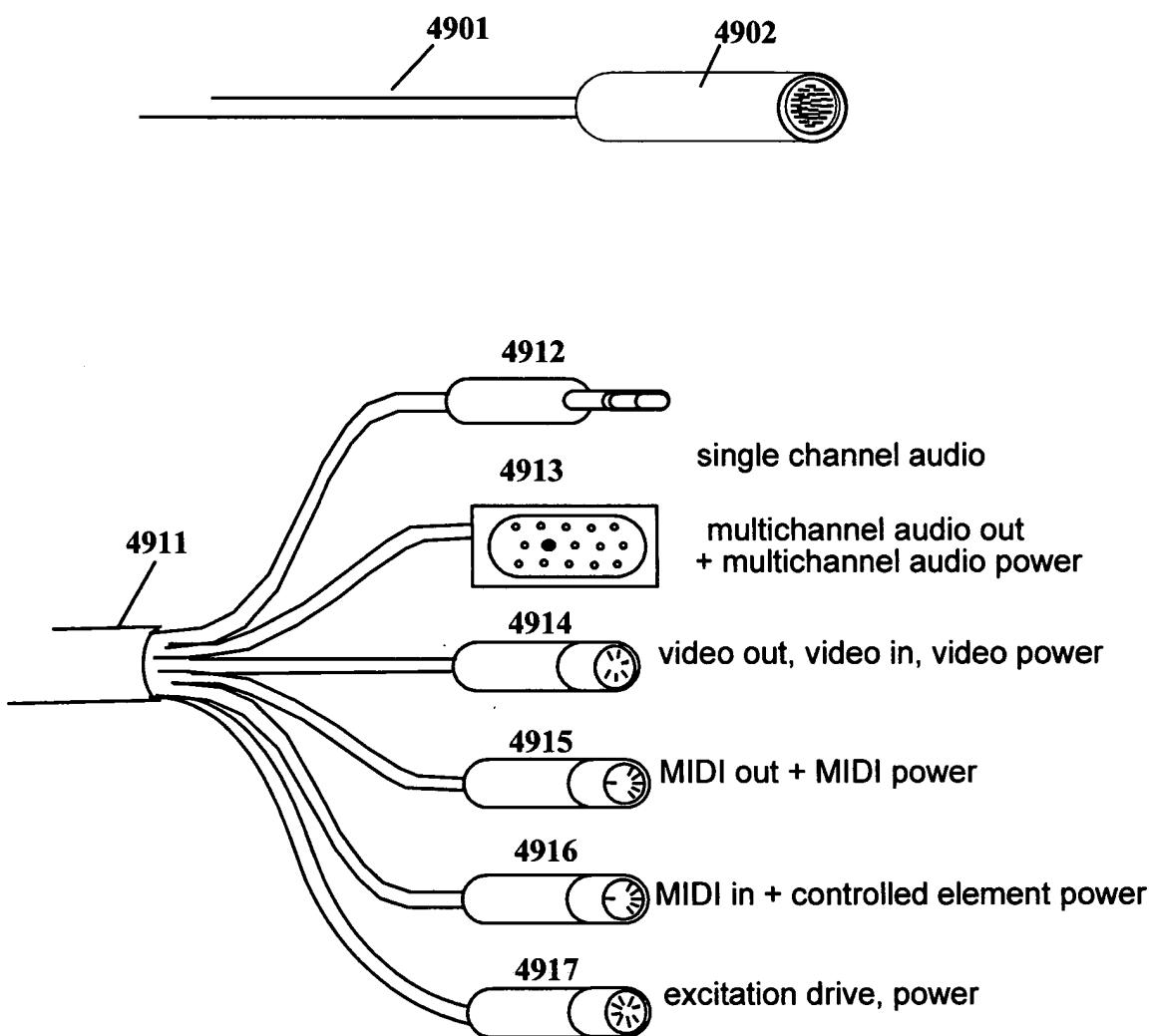
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**49 / 72**

**Figure 49**



EXTENSIONS AND GENERALIZATIONS OF THE

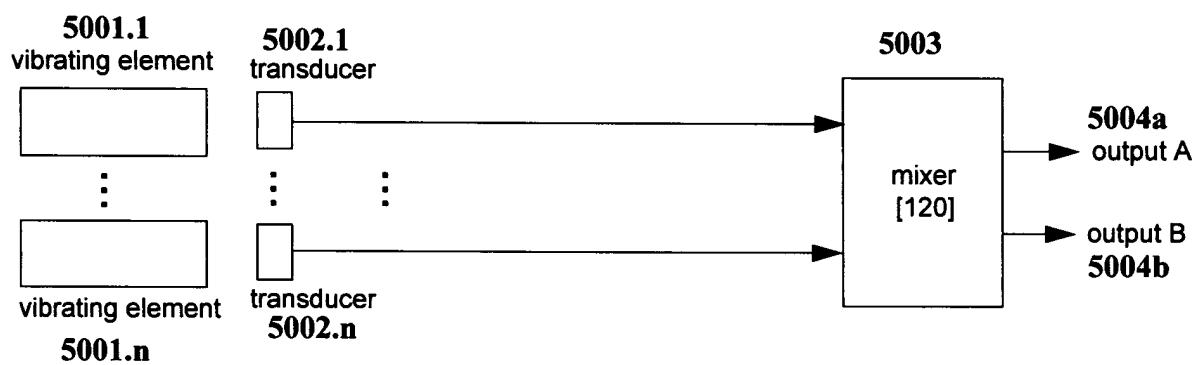
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 50

50 / 72

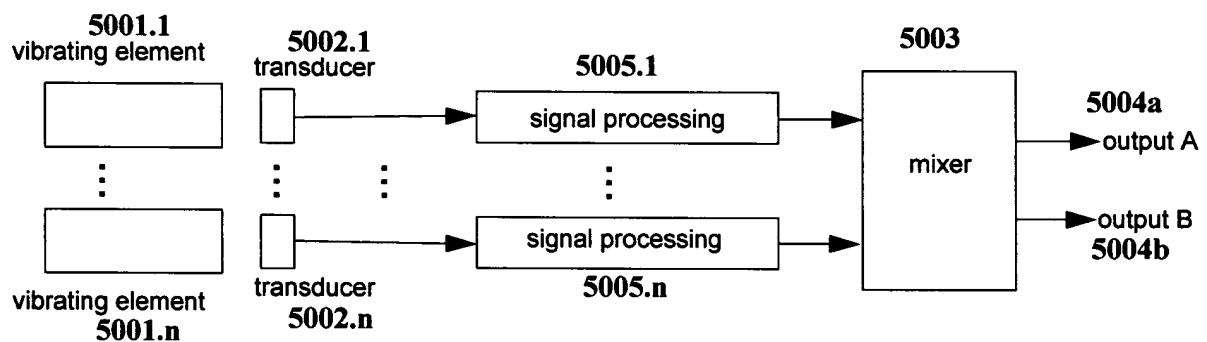


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 51**

**51 / 72**



EXTENSIONS AND GENERALIZATIONS OF THE

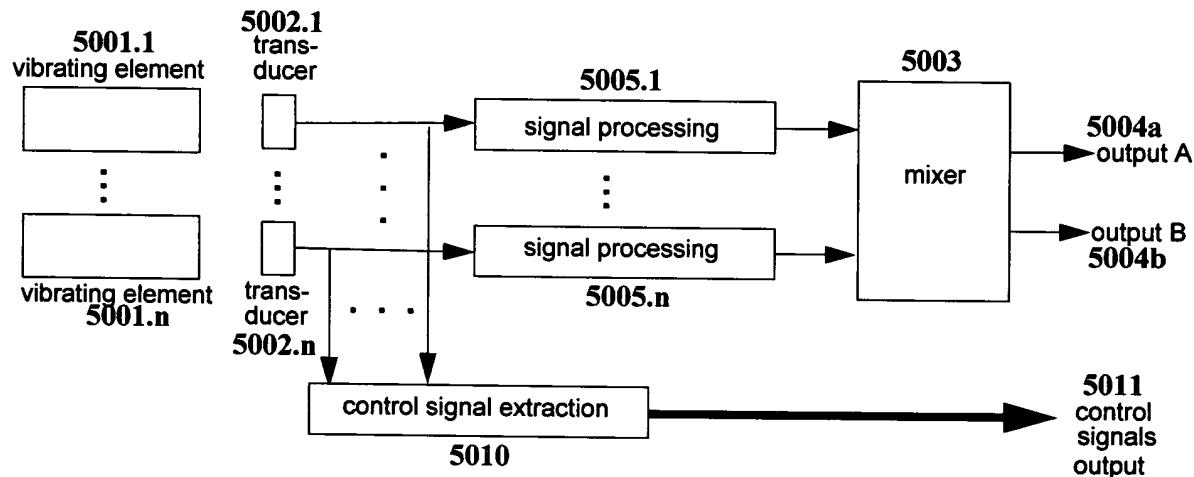
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 52

52 / 72



EXTENSIONS AND GENERALIZATIONS OF THE

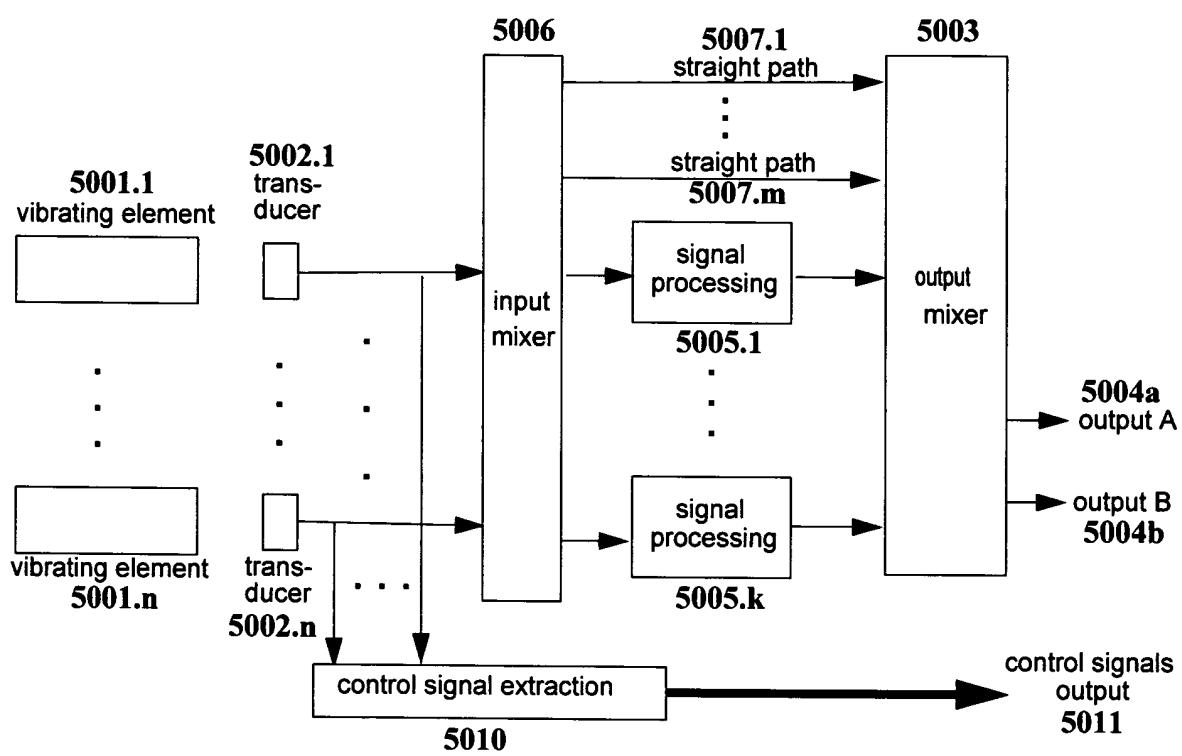
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 53

53 / 72



EXTENSIONS AND GENERALIZATIONS OF THE

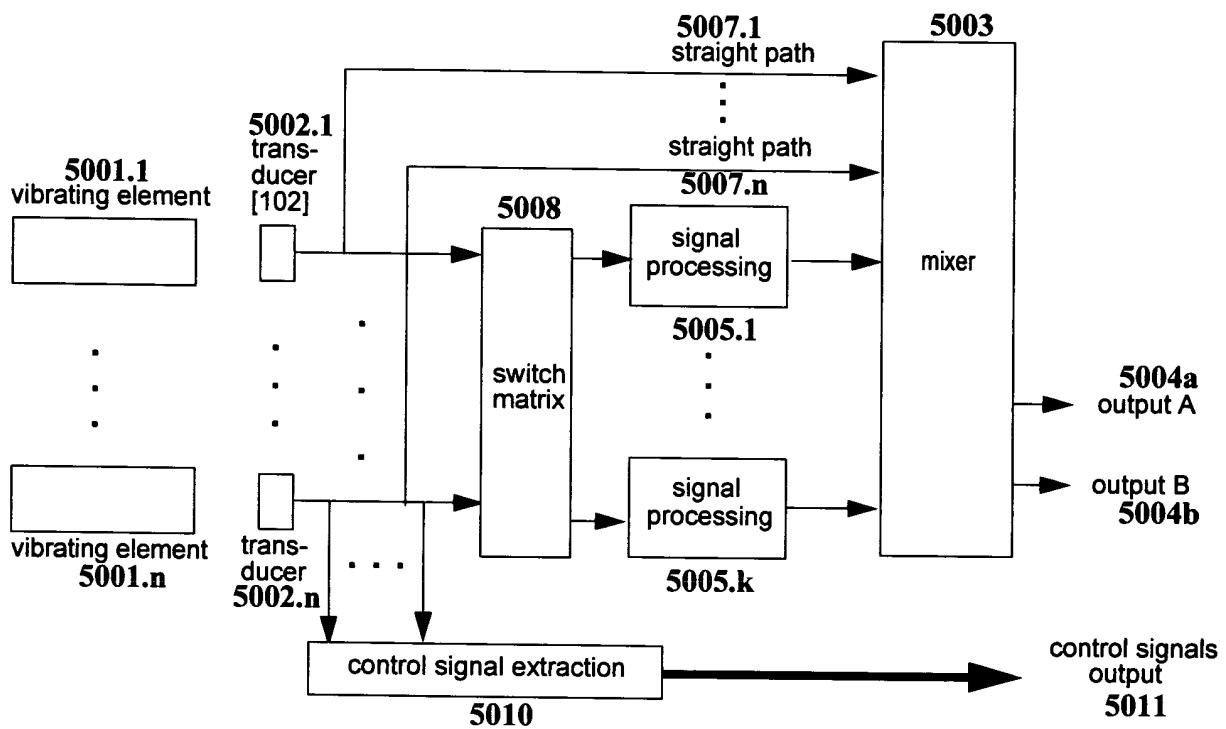
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

Figure 54

54 / 72

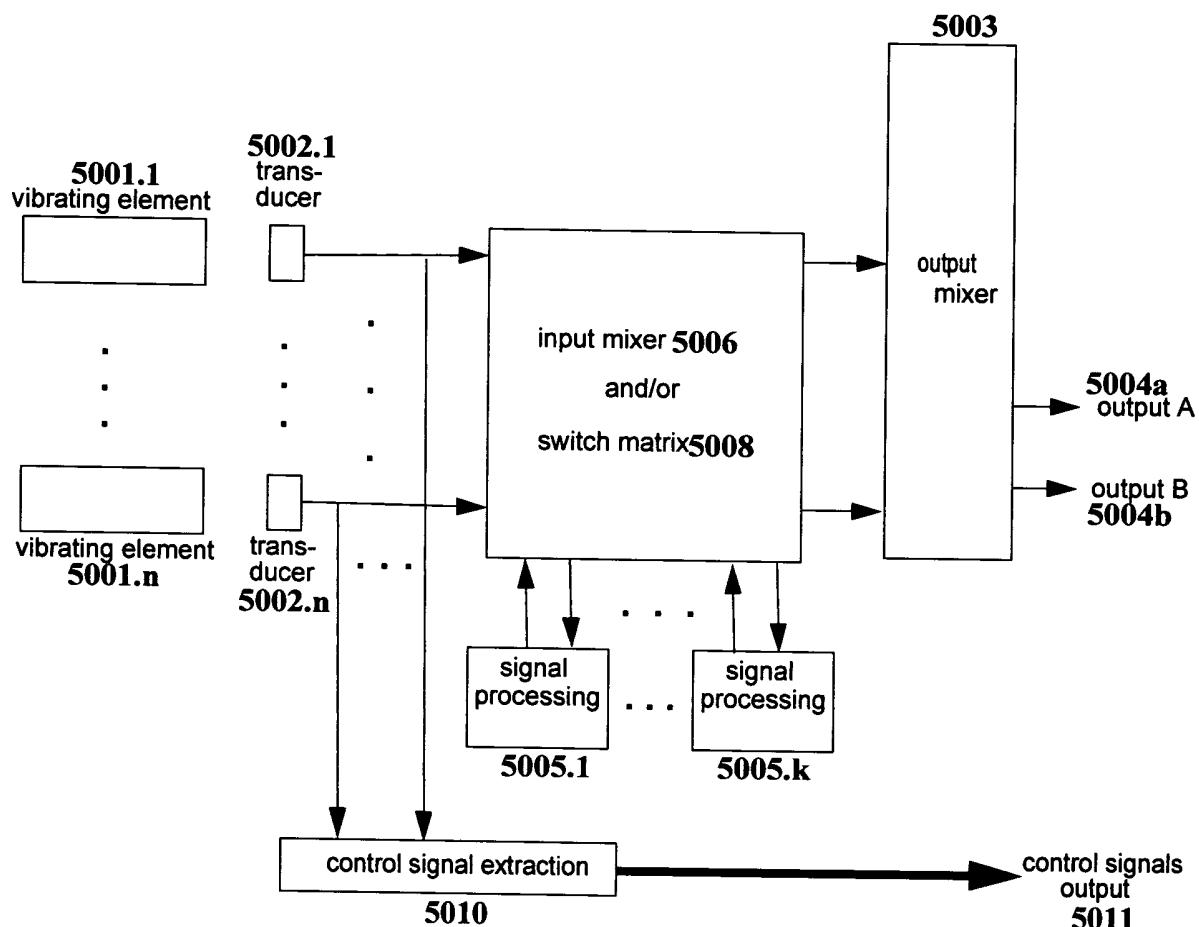


## **EXTENSIONS AND GENERALIZATIONS OF THE PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**Figure 55**

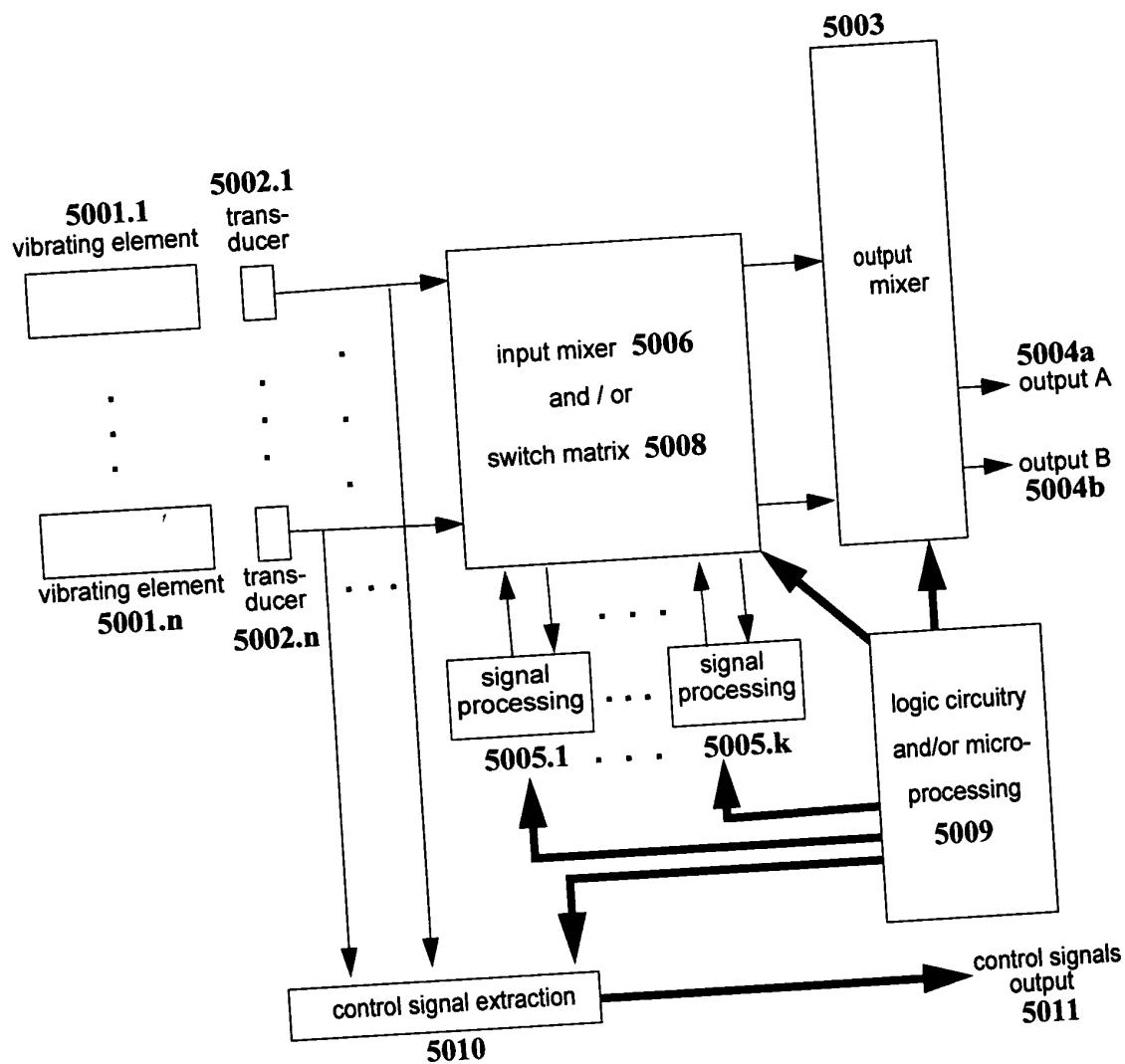
55 / 72



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

56 / 72

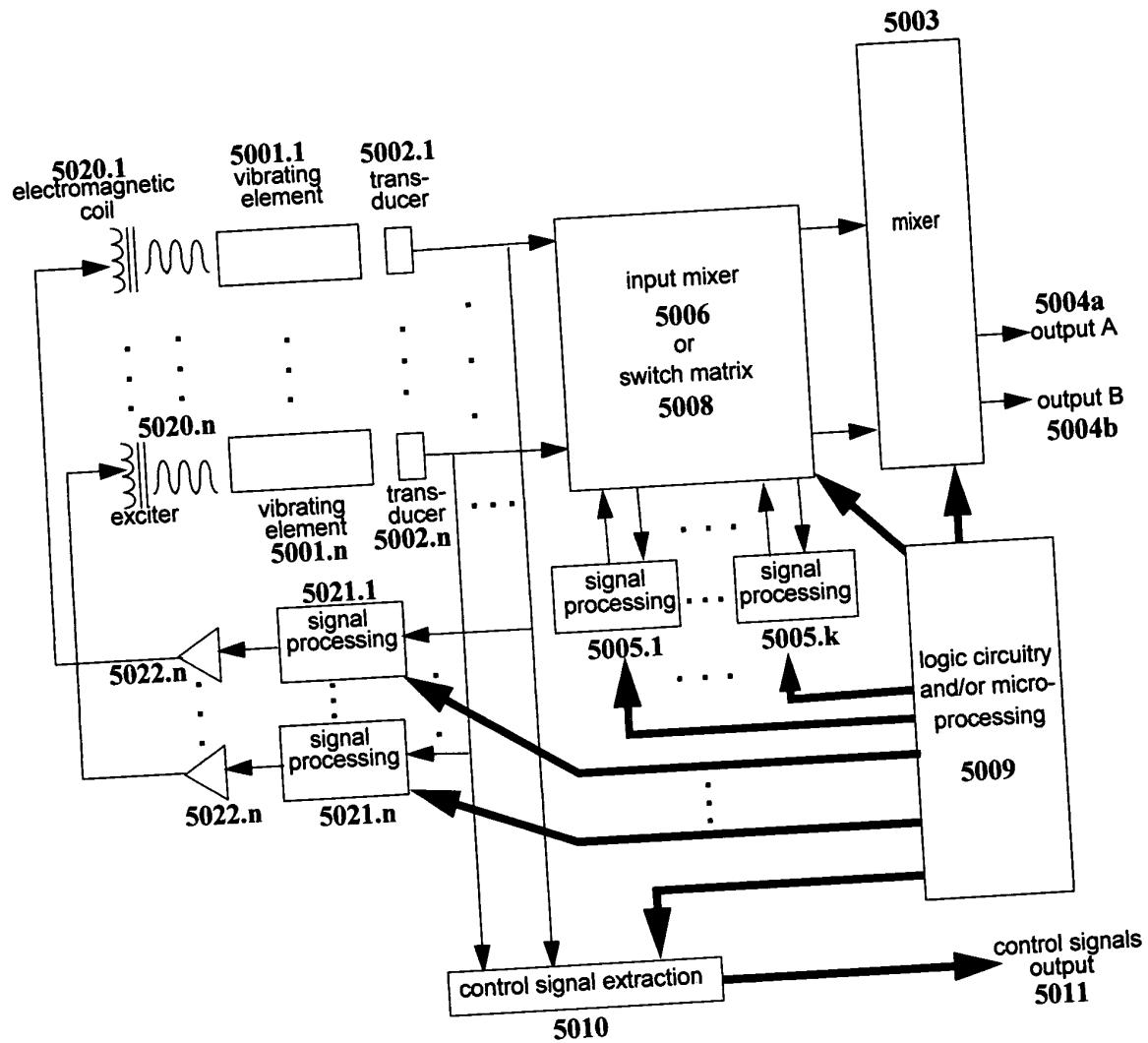
Figure 56



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

57 / 72

Figure 57



EXTENSIONS AND GENERALIZATIONS OF THE

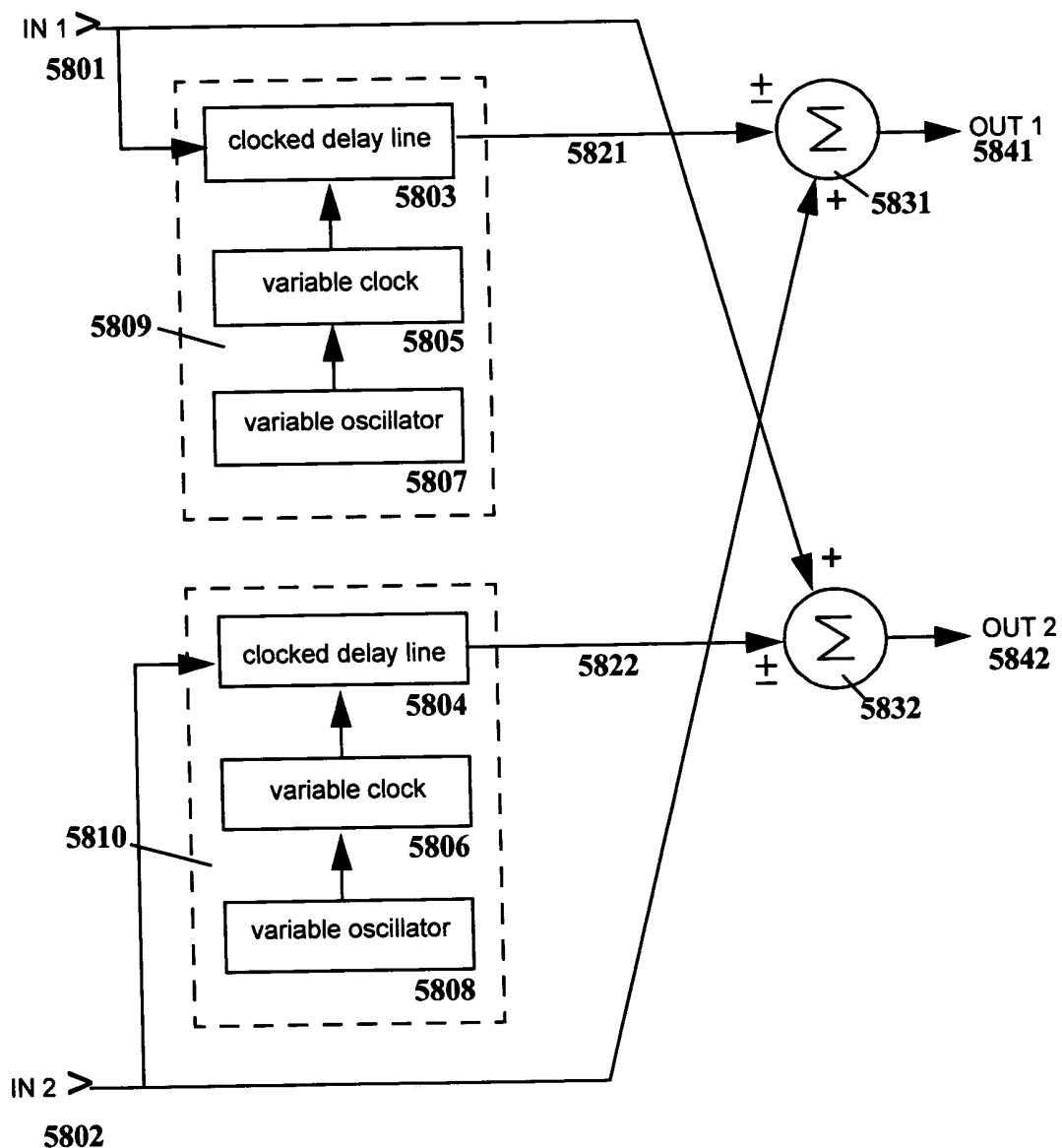
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**58 / 72**

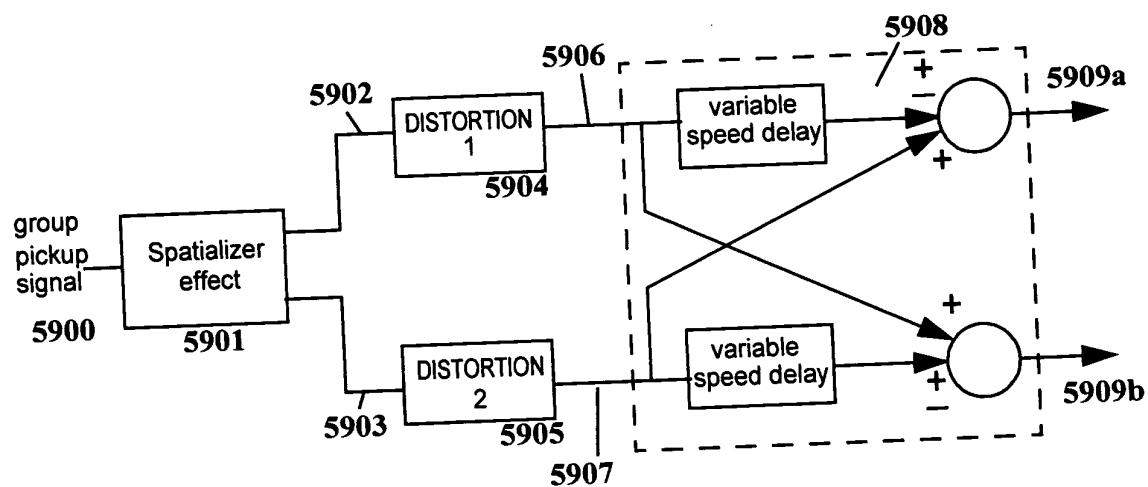
Figure 58



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

59 / 72

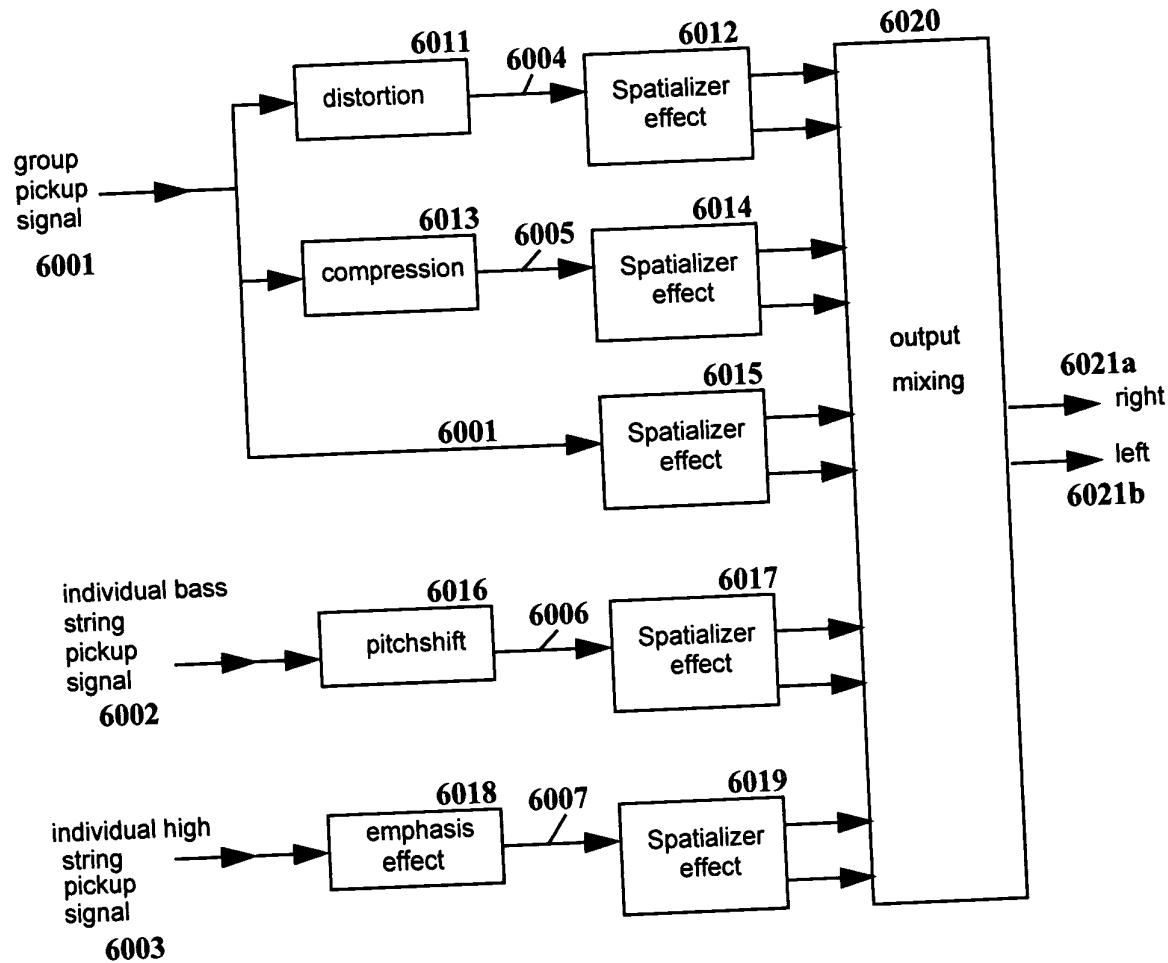
Figure 59



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

60 / 72

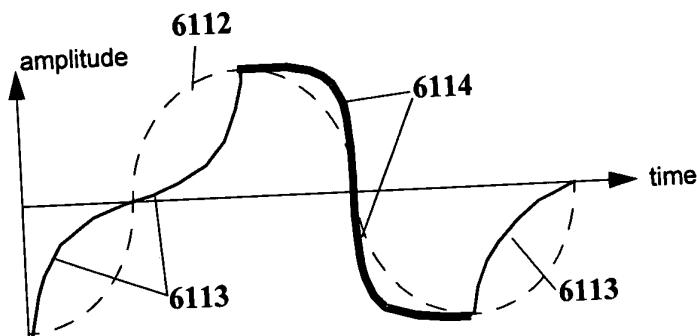
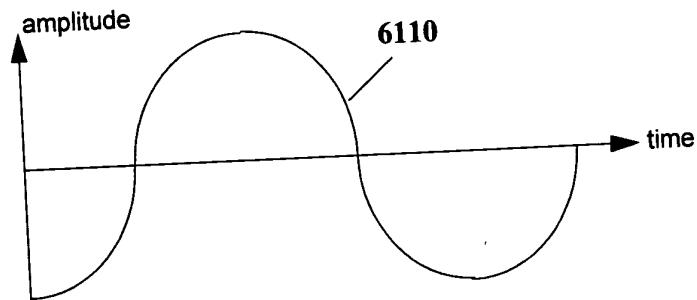
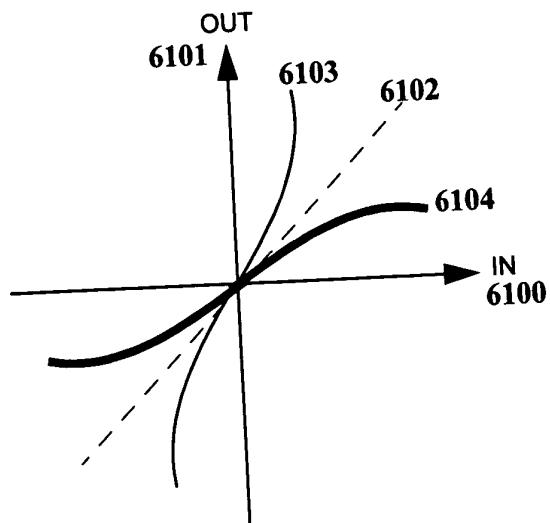
Figure 60



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

61 / 72

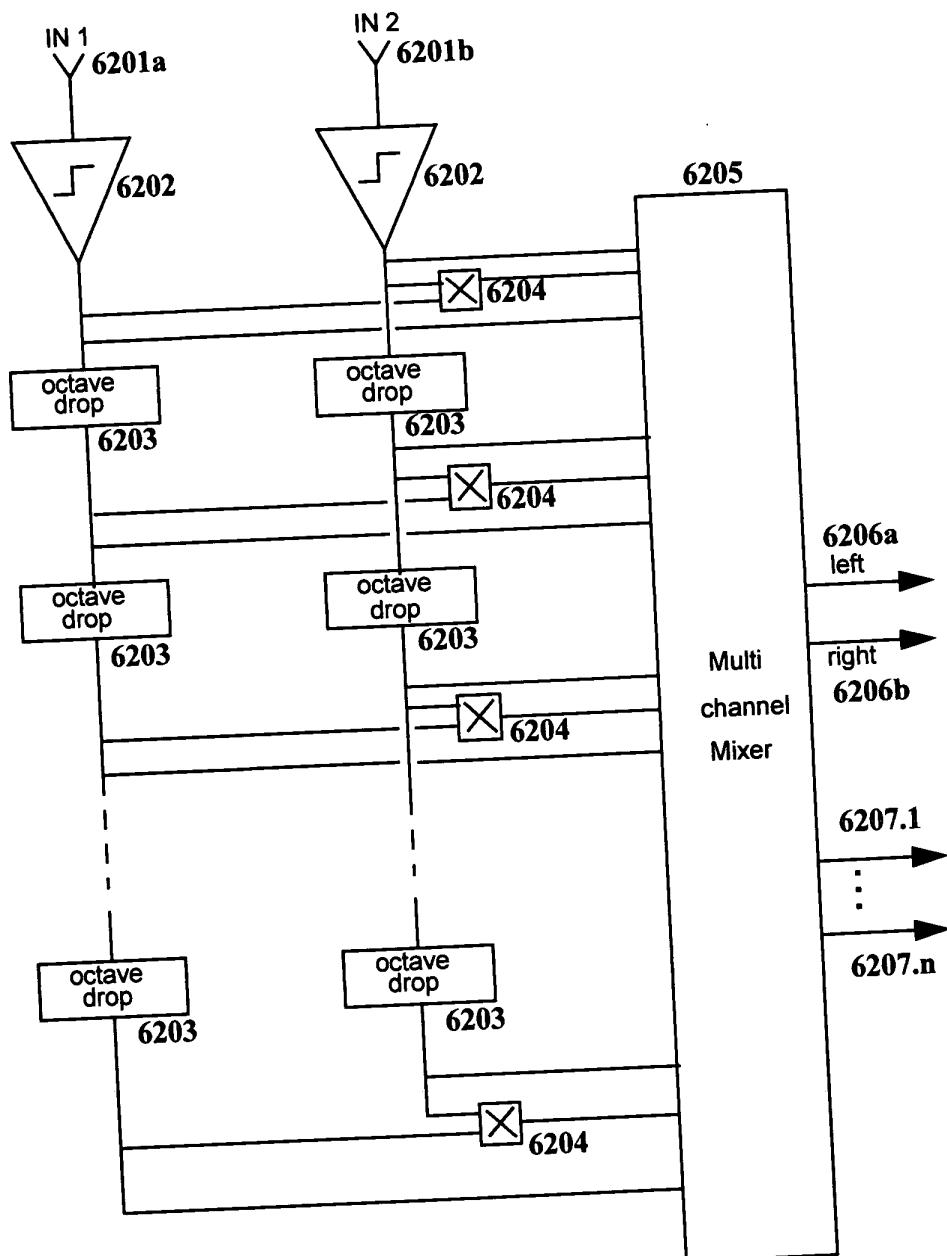
Figure 61



EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR  
Inventor: Lester F. Ludwig  
Docket No.: 2738-21

62 / 72

Figure 62



EXTENSIONS AND GENERALIZATIONS OF THE

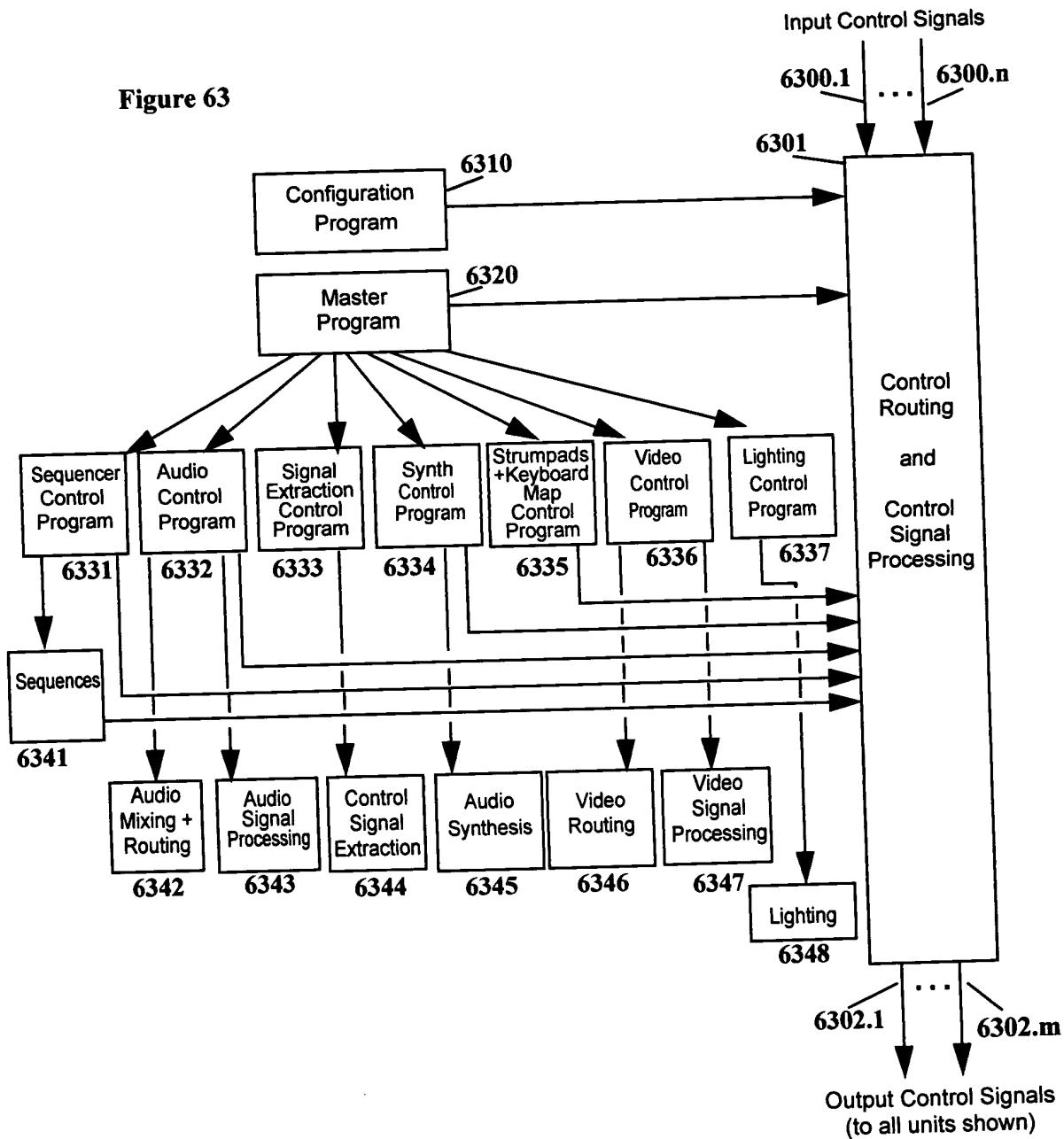
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**63 / 72**

**Figure 63**

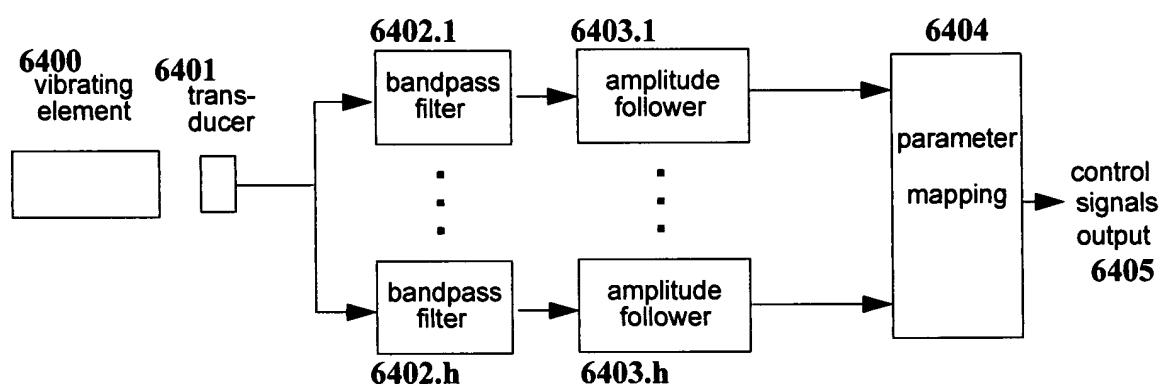


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**64 / 72**

**Figure 64**



EXTENSIONS AND GENERALIZATIONS OF THE

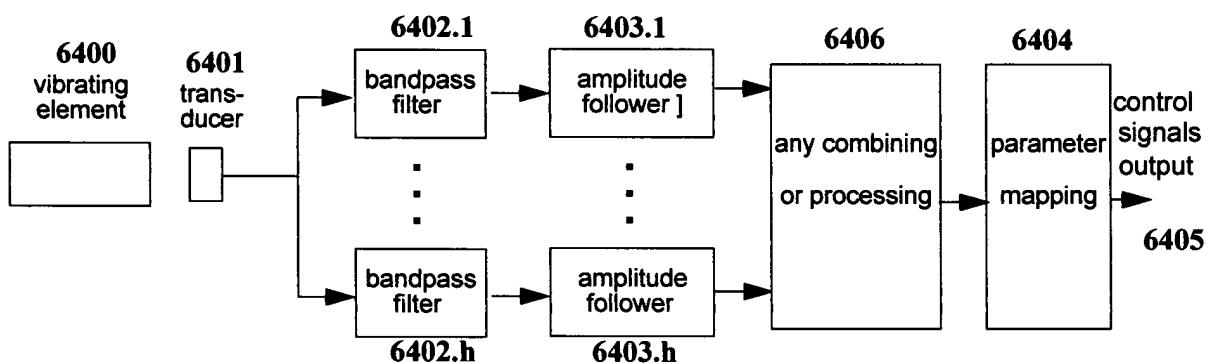
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

65 / 72

Figure 65

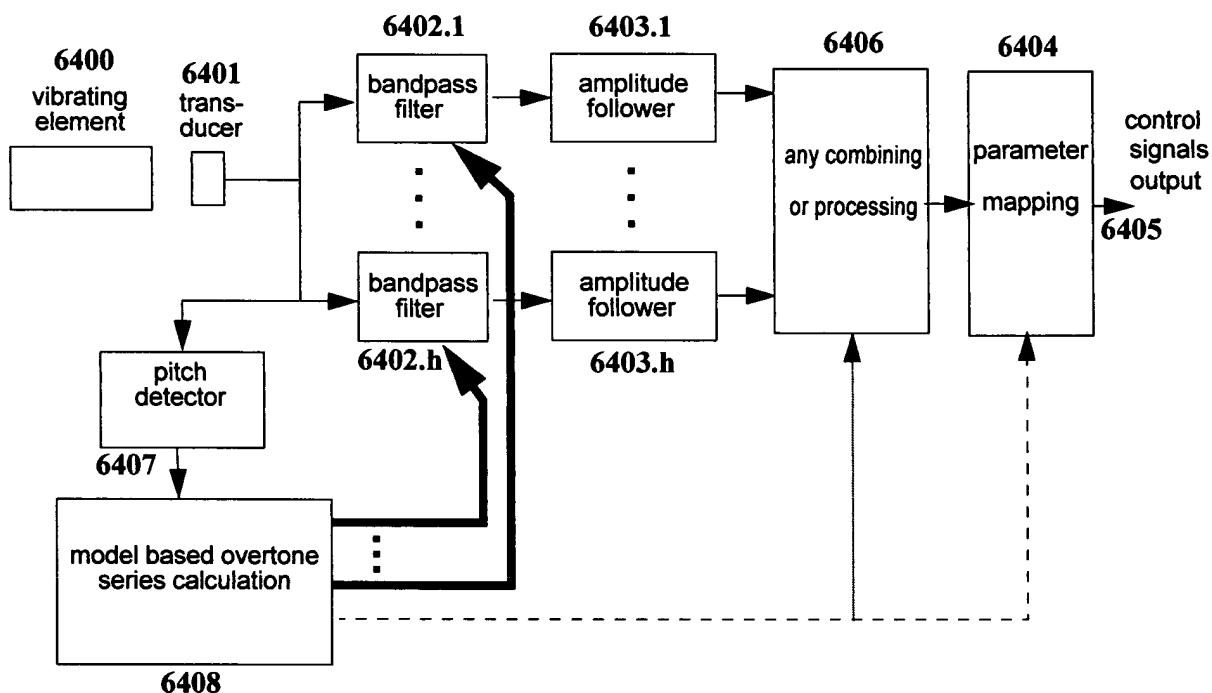


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

Figure 66

66 / 72

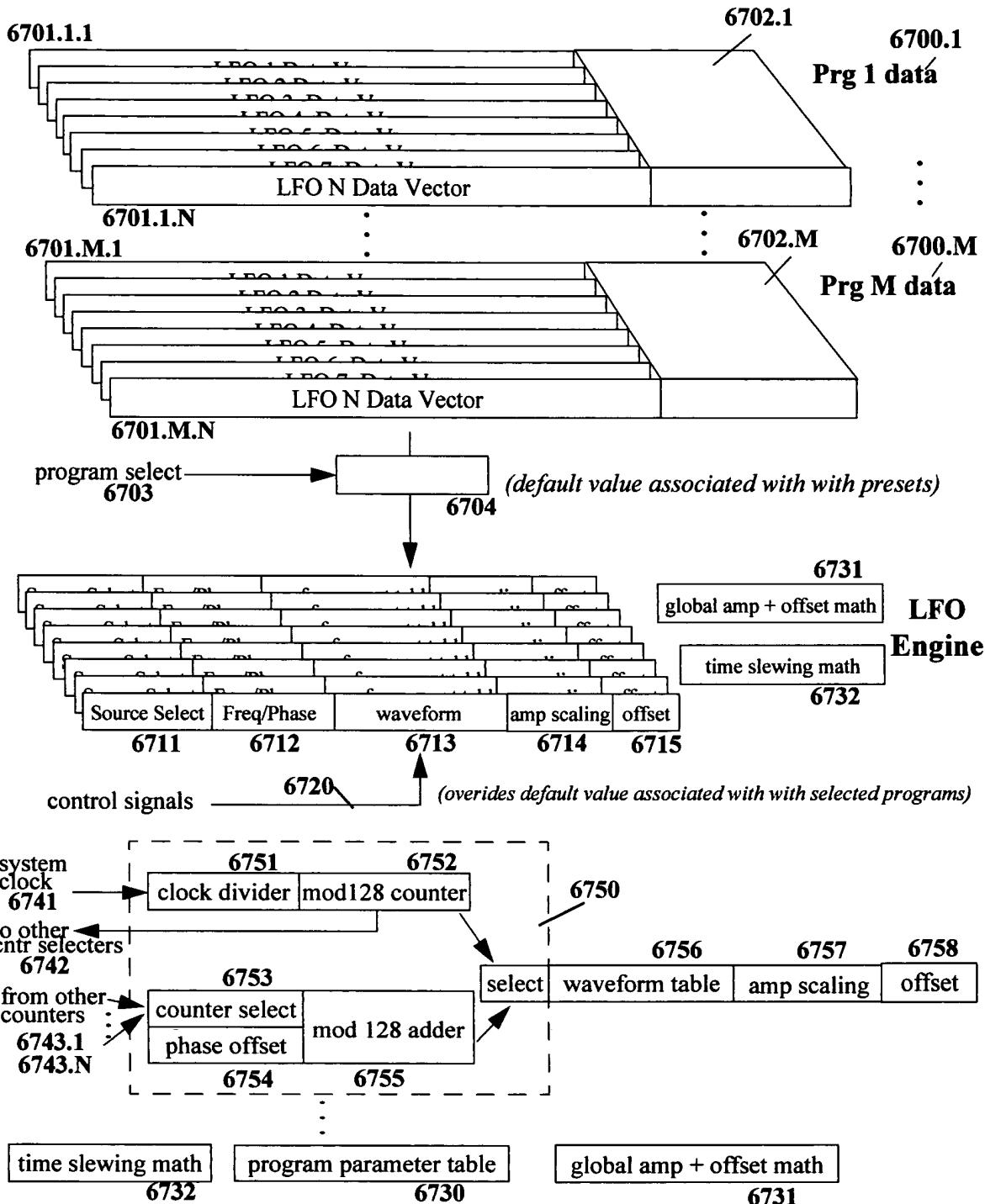


EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

67 / 72

Figure 67



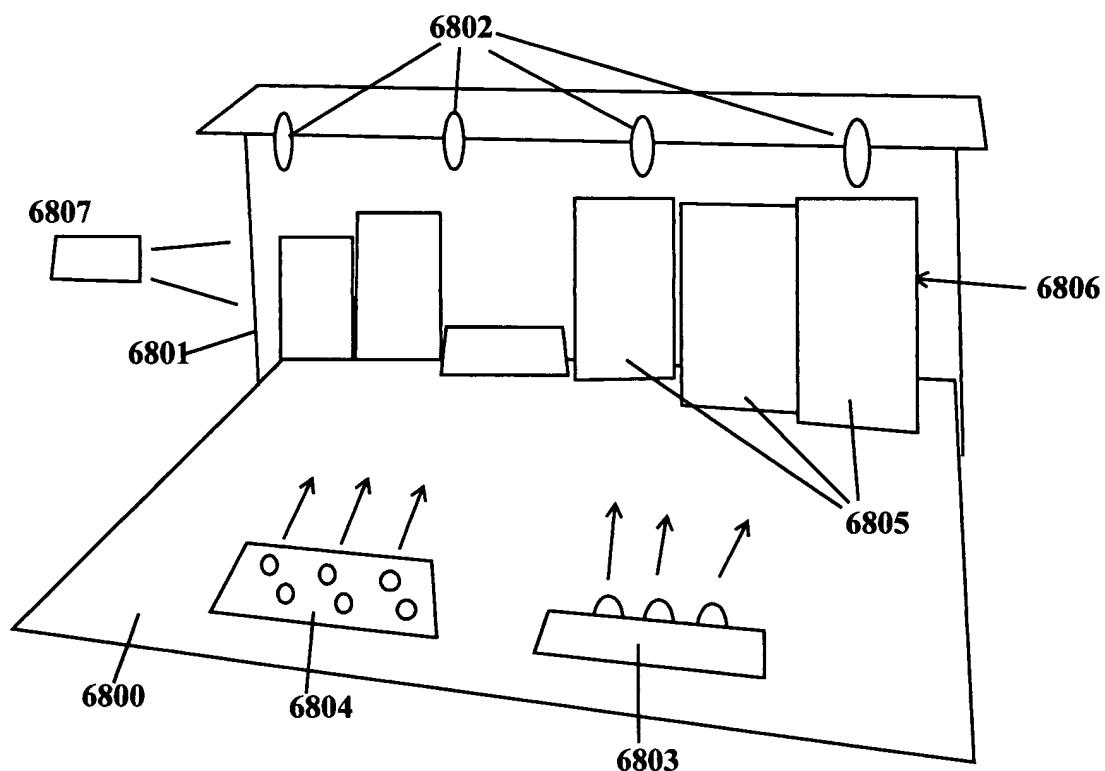
**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig

Docket No.: 2738-21

**Figure 68**

**68 / 72**



EXTENSIONS AND GENERALIZATIONS OF THE

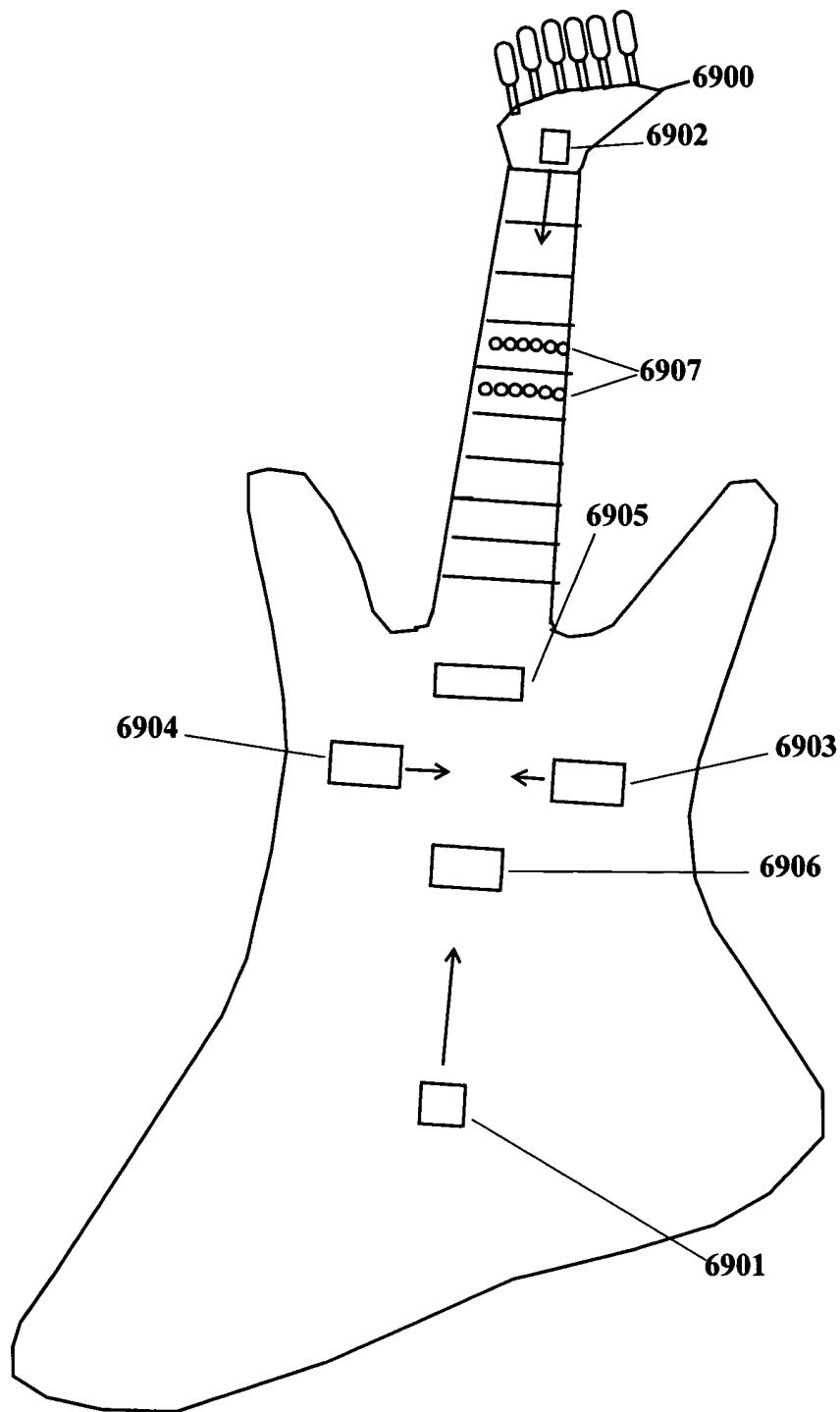
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

69 / 72

Figure 69



EXTENSIONS AND GENERALIZATIONS OF THE

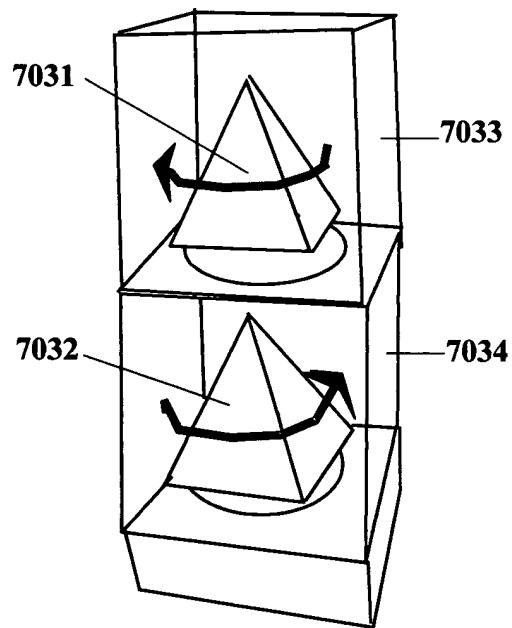
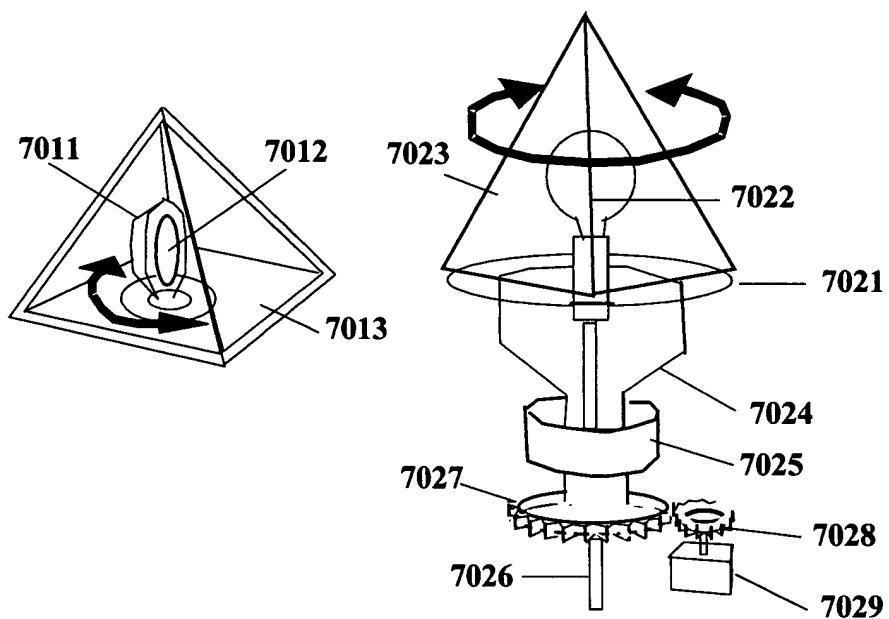
PEDAL STEEL GUITAR

Inventor: Lester F. Ludwig

Docket No.: 2738-21

70 / 72

Figure 70

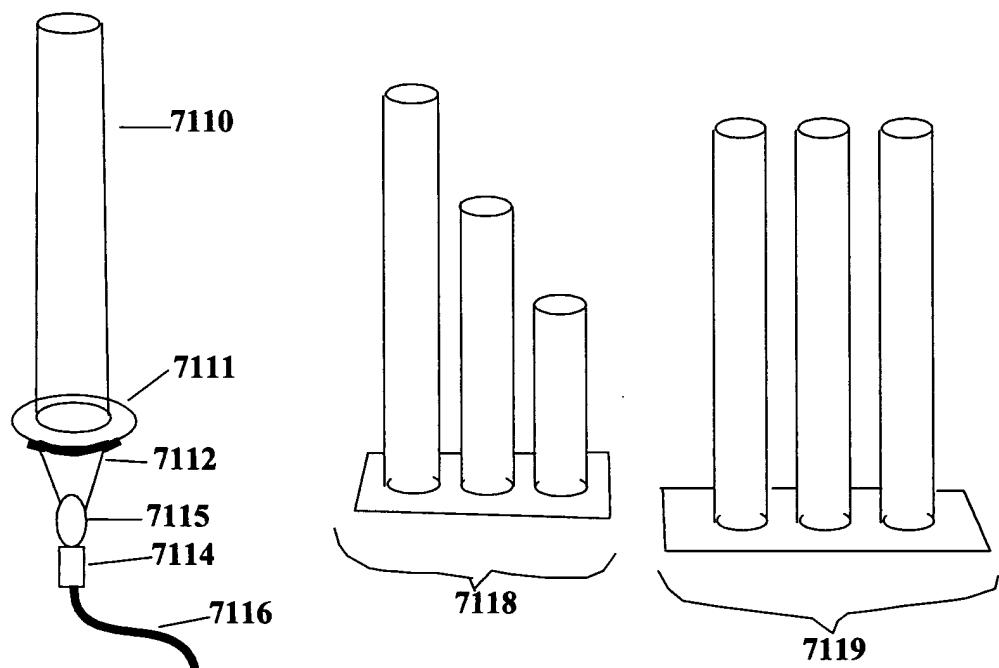
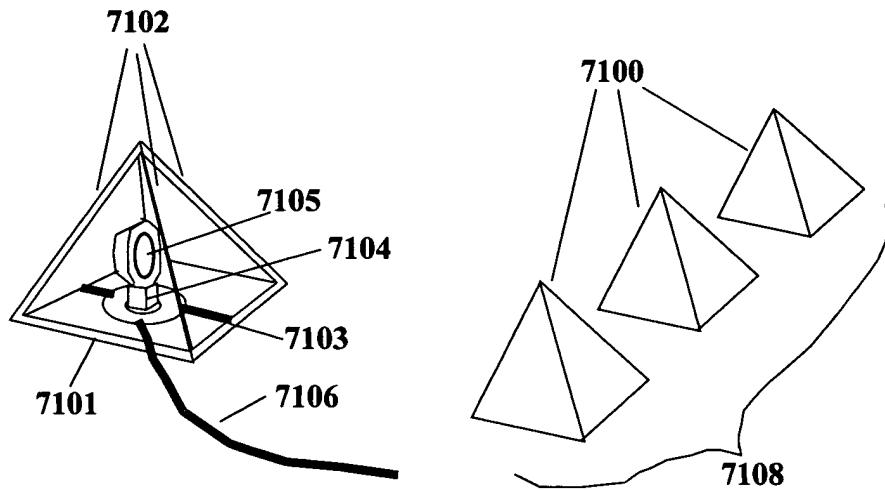


**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**71 / 72**

**Figure 71**



**EXTENSIONS AND GENERALIZATIONS OF THE  
PEDAL STEEL GUITAR**

Inventor: Lester F. Ludwig  
Docket No.: 2738-21

**72 / 72**

**Figure 72**

